

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070218\
 Data File : VV006540.D
 Acq On : 02 Jul 2018 19:45
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Quant Time: Jul 02 23:34:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 30 02:15:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	252889	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	231603	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	113311	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101844	6.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.60%
7) Chloroethane-d5	1.57	69	80384	6.00	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.00%
11) 1,1-Dichloroethene-d2	2.13	63	163345	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.00%
20) 2-Butanone-d5	3.95	46	208760	67.00	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.00%#
24) Chloroform-d	4.41	84	164165	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.80%
26) 1,2-Dichloroethane-d4	5.09	65	77736	5.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.20%
32) Benzene-d6	5.11	84	346057	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.80%
36) 1,2-Dichloropropane-d6	6.12	67	104103	5.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.80%
41) Toluene-d8	7.37	98	324109	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
43) trans-1,3-Dichloropropene-	7.67	79	34298	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.14	63	179443	68.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	136.86%#
57) 1,1,2,2-Tetrachloroethane-	10.27	84	68988	6.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.20%#
64) 1,2-Dichlorobenzene-d4	11.68	152	118718	5.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	68225	3.681 ug/L	99
3) Chloromethane	1.25	50	44014	2.317 ug/L	98
5) Vinyl chloride	1.32	62	106626	5.166 ug/L	99
6) Bromomethane	1.52	94	45220	3.783 ug/L	99
8) Chloroethane	1.59	64	62425	4.768 ug/L	99
9) Trichlorofluoromethane	1.77	101	127987	5.159 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	81943	5.258 ug/L	99
12) 1,1-Dichloroethene	2.14	96	78137	5.109 ug/L	93
13) Acetone	2.19	43	126020	65.985 ug/L	99
14) Carbon disulfide	2.32	76	175508	4.064 ug/L	99
15) Methyl Acetate	2.46	43	36130	6.425 ug/L	97
16) Methylene chloride	2.54	84	93756	5.234 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	214852	5.796 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	86352	5.157 ug/L	98
19) 1,1-Dichloroethane	3.23	63	158971	5.331 ug/L	98
21) 2-Butanone	4.04	43	215420	62.414 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	98349	5.342 ug/L	99

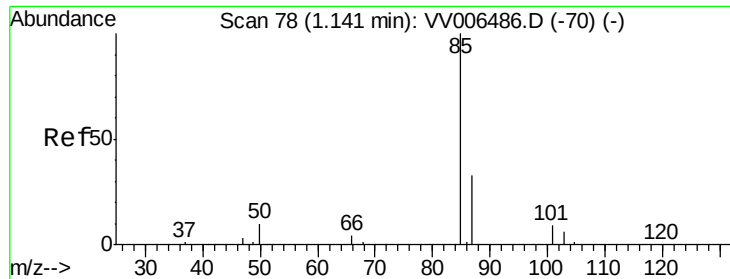
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070218\
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 QLast Update : Sat Jun 30 02:15:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	41547	5.554	ug/L	94
25) Chloroform	4.43	83	163127	5.427	ug/L	100
27) 1,2-Dichloroethane	5.19	62	94978	5.624	ug/L	100
29) 1,1,1-Trichloroethane	4.67	97	124287	4.921	ug/L	99
30) Cyclohexane	4.73	56	117632	4.660	ug/L	100
31) Carbon tetrachloride	4.88	117	101251	4.779	ug/L	100
33) Benzene	5.15	78	361196	5.281	ug/L	100
34) Trichloroethene	5.96	95	97050	4.960	ug/L	98
35) Methylcyclohexane	6.18	83	132727	4.665	ug/L	97
37) 1,2-Dichloropropane	6.23	63	92758	5.549	ug/L	99
38) Bromodichloromethane	6.56	83	98656	5.128	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	117819	5.065	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	509615	62.658	ug/L	100
42) Toluene	7.44	91	373074	5.151	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	91995	5.043	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	66323	5.745	ug/L	99
47) Tetrachloroethene	8.03	164	72755	4.922	ug/L	99
48) 2-Hexanone	8.19	43	380141	64.966	ug/L	99
49) Dibromochloromethane	8.30	129	64403	5.233	ug/L	100
50) 1,2-Dibromoethane	8.40	107	60398	5.820	ug/L	98
51) Chlorobenzene	8.93	112	249640	5.209	ug/L	99
52) Ethylbenzene	9.06	91	397335	5.067	ug/L	100
53) m,p-xylene	9.19	106	152663	5.048	ug/L	98
54) o-xylene	9.59	106	152910	5.154	ug/L	99
55) Styrene	9.61	104	262699	5.412	ug/L	99
56) Isopropylbenzene	9.98	105	389094	5.033	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	64672	5.940	ug/L	100
59) 1,2,3-Trichloropropane	10.33	75	55268	6.079	ug/L	99
61) Bromoform	9.78	173	32493	5.110	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	188338	5.046	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	192356	5.153	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	187515	5.368	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8093	5.452	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	146010	5.149	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	114895	5.525	ug/L	99
69) Naphthalene	13.56	128	181788	5.980	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	111175	5.743	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 3.681 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

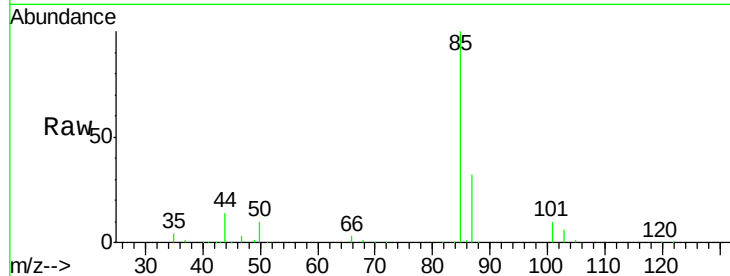
VSTD00571

Tgt Ion: 85 Resp: 68225

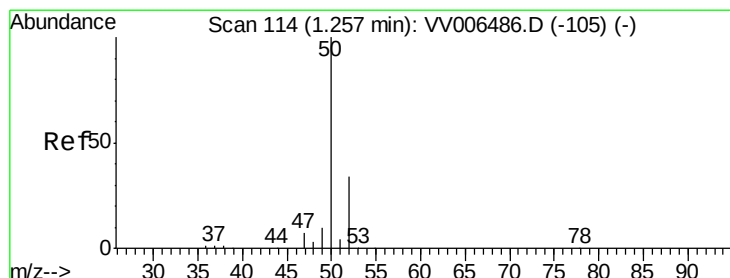
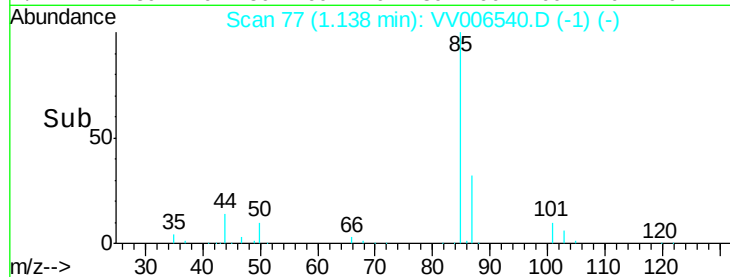
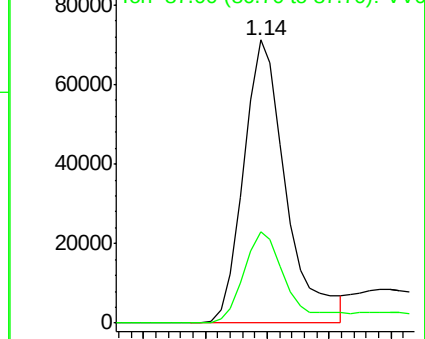
Ion Ratio Lower Upper

85 100

87 33.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV006540.D (-1) (-)



#3

Chloromethane

Concen: 2.317 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV006540.D

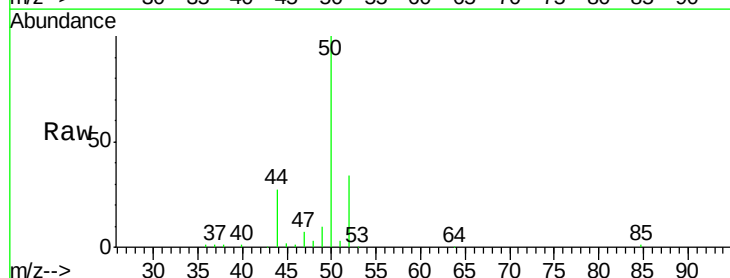
Acq: 02 Jul 2018 19:45

Tgt Ion: 50 Resp: 44014

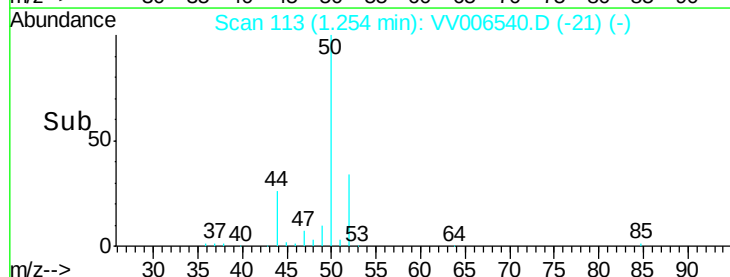
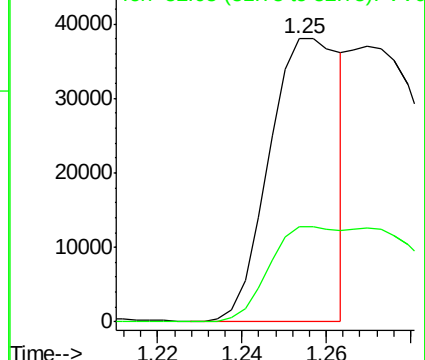
Ion Ratio Lower Upper

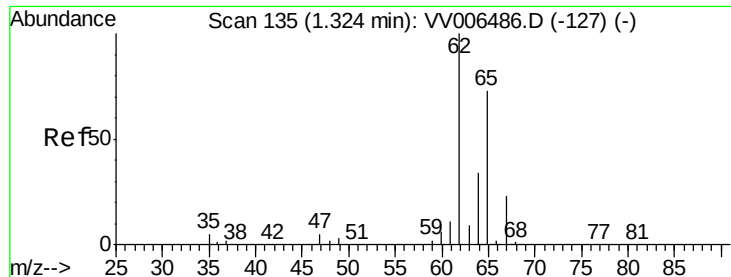
50 100

52 33.8 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006540.D (-21) (-)





#5

Vinyl chloride

Concen: 5.166 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

Instrument :

MSVOA_V

ClientSampled :

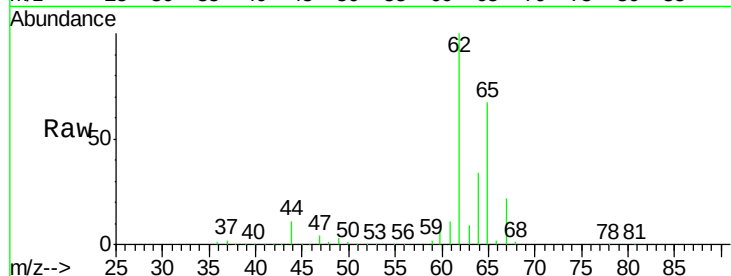
VSTD00571

Tgt Ion: 62 Resp: 106626

Ion Ratio Lower Upper

62 100

64 33.5 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV006540.D (-127) (-)

Ion 64.10 (63.80 to 64.80): VV006540.D (-127) (-)

1.32

100000

80000

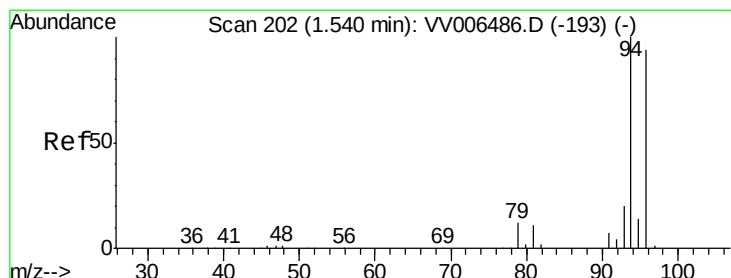
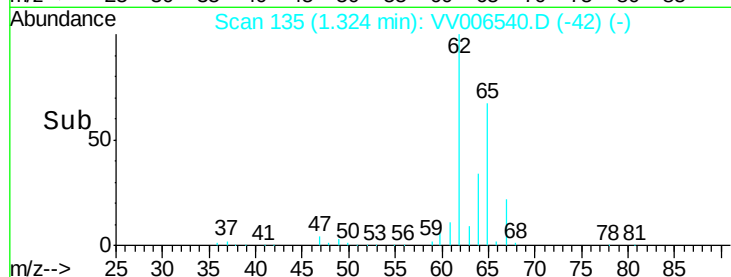
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 3.783 ug/L

RT: 1.52 min Scan# 197

Delta R.T. -0.02 min

Lab File: VV006540.D

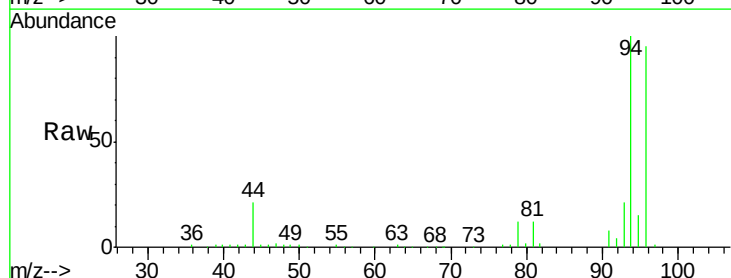
Acq: 02 Jul 2018 19:45

Tgt Ion: 94 Resp: 45220

Ion Ratio Lower Upper

94 100

96 94.6 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV006540.D (-193) (-)

Ion 96.00 (95.70 to 96.70): VV006540.D (-193) (-)

1.52

40000

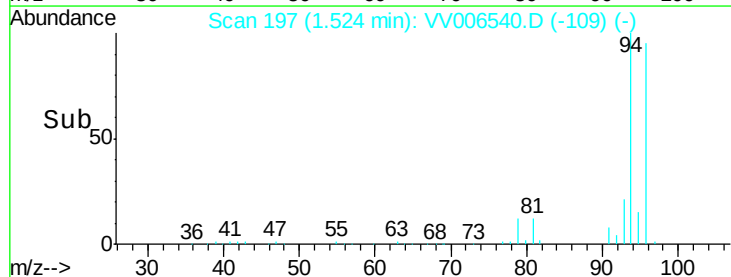
30000

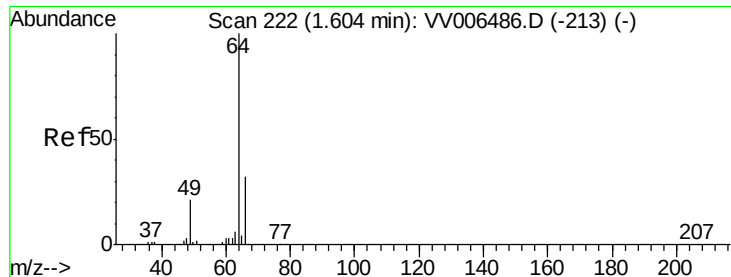
20000

10000

0

Time-->





#8

Chloroethane

Concen: 4.768 ug/L

RT: 1.59 min Scan# 218

Delta R.T. -0.01 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

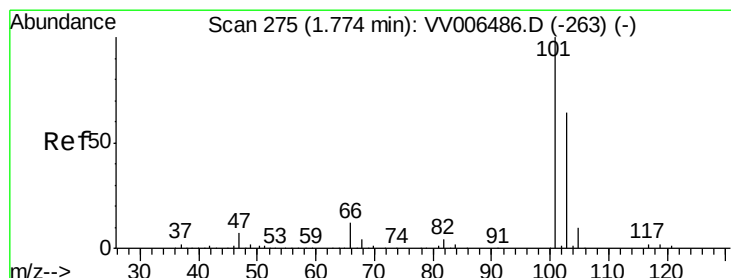
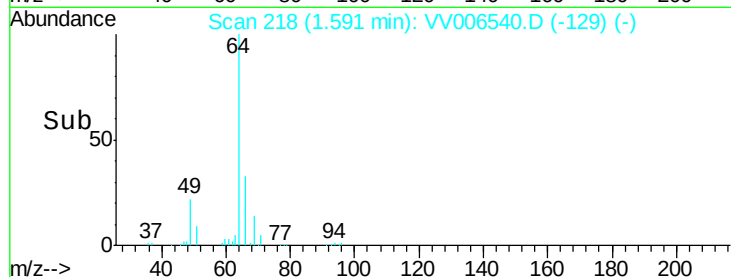
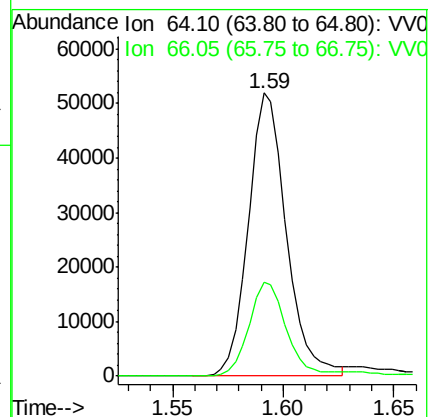
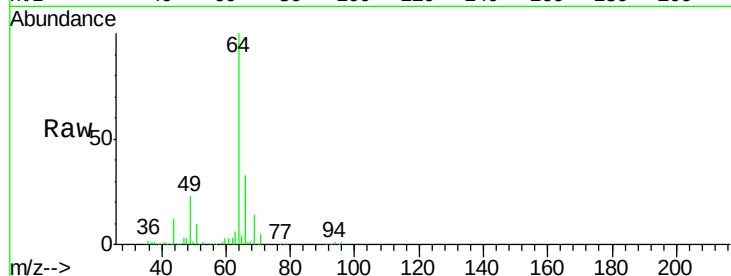
VSTD00571

Tgt Ion: 64 Resp: 62425

Ion Ratio Lower Upper

64 100

66 33.0 22.8 42.4



#9

Trichlorofluoromethane

Concen: 5.159 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV006540.D

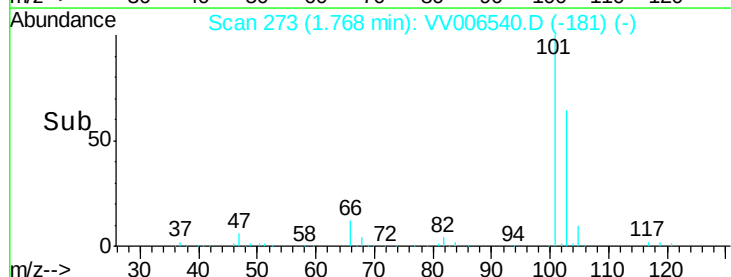
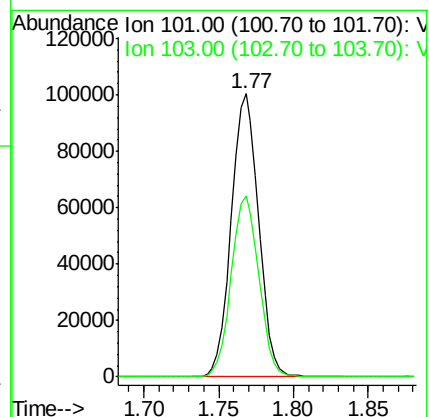
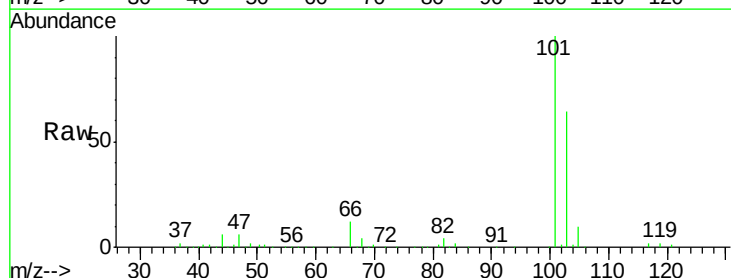
Acq: 02 Jul 2018 19:45

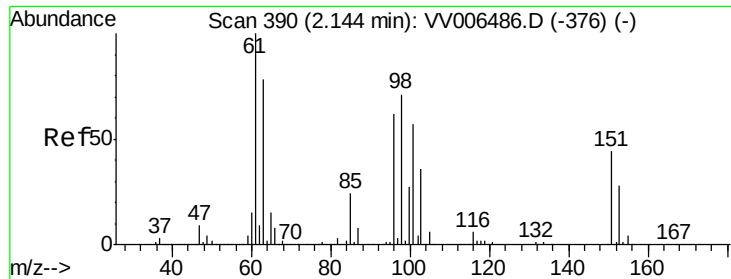
Tgt Ion: 101 Resp: 127987

Ion Ratio Lower Upper

101 100

103 64.7 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.258 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

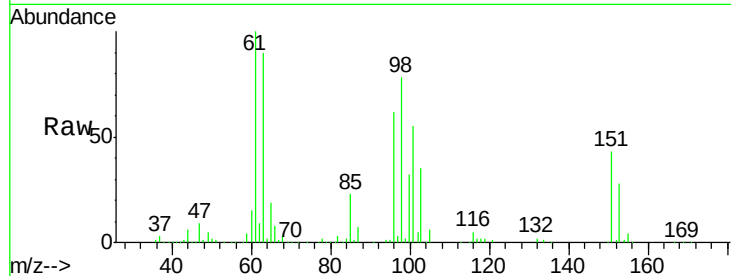
Tgt Ion:101 Resp: 81943

Ion Ratio Lower Upper

101 100

85 41.5 33.1 49.7

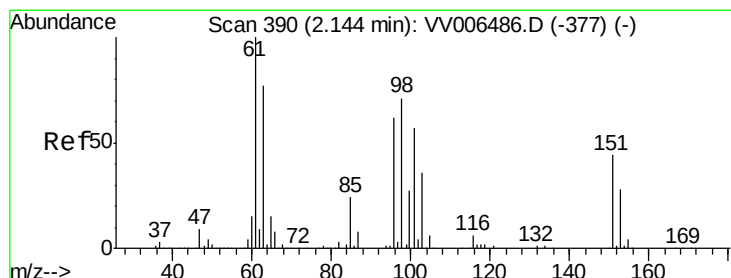
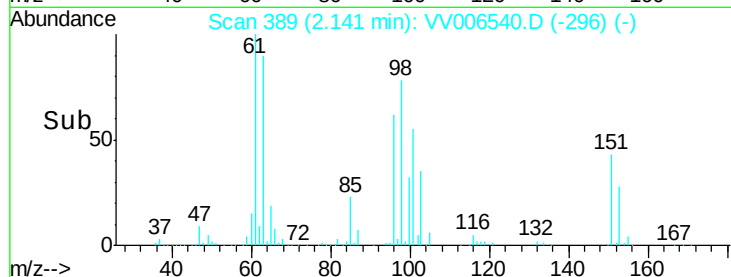
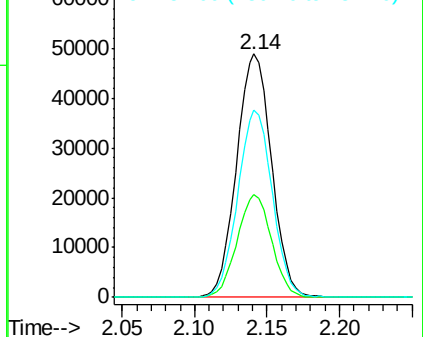
151 76.1 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.109 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

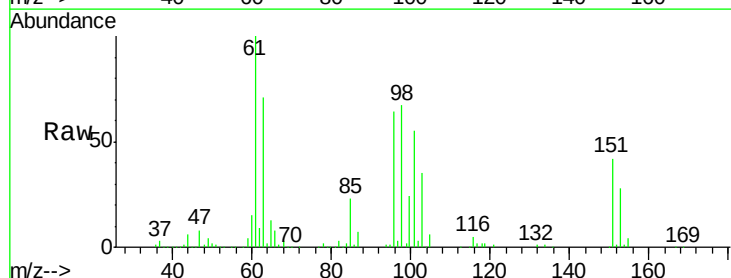
Tgt Ion: 96 Resp: 78137

Ion Ratio Lower Upper

96 100

61 155.1 111.4 207.0

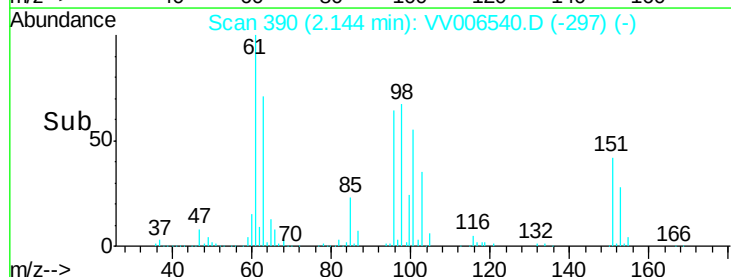
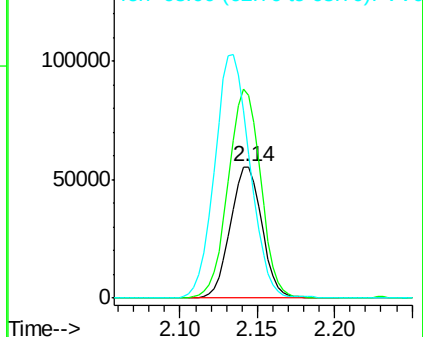
63 109.9 87.4 162.2

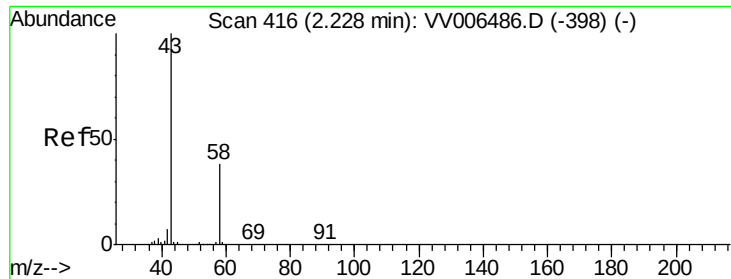


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 65.985 ug/L

RT: 2.19 min Scan# 405

Delta R.T. -0.04 min

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Acq: 02 Jul 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

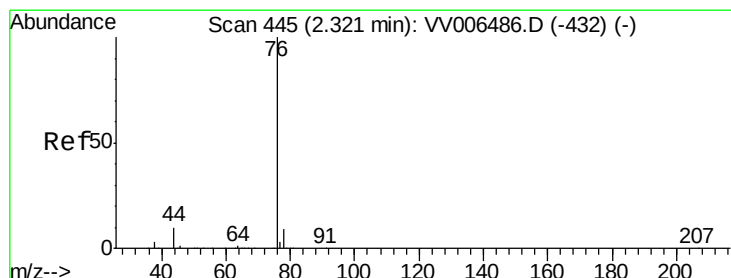
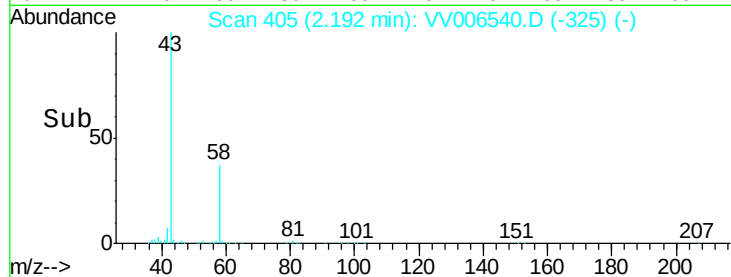
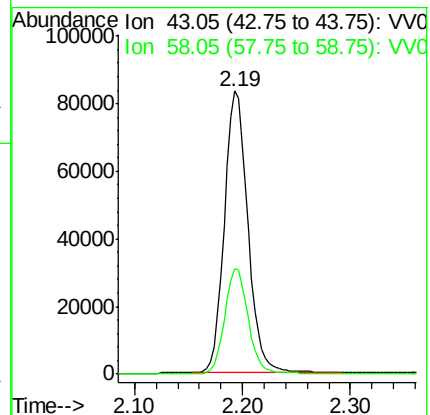
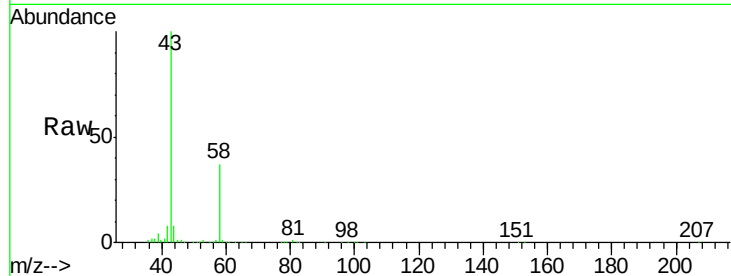
VSTD00571

Tgt Ion: 43 Resp: 126020

Ion Ratio Lower Upper

43 100

58 38.0 0.0 77.4



#14

Carbon disulfide

Concen: 4.064 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006540.D

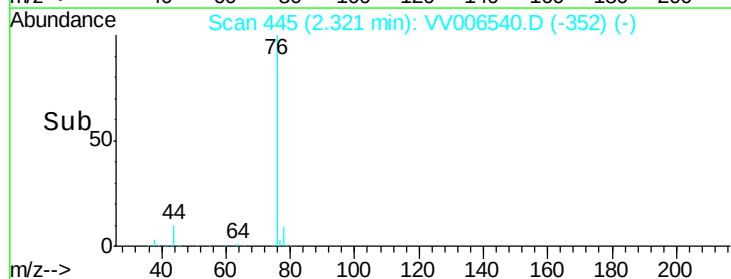
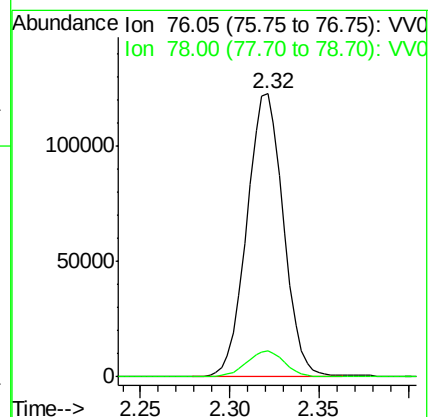
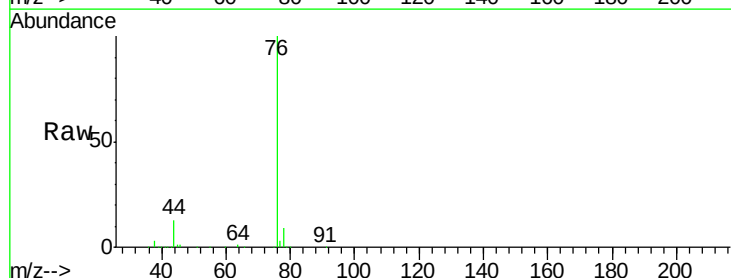
Acq: 02 Jul 2018 19:45

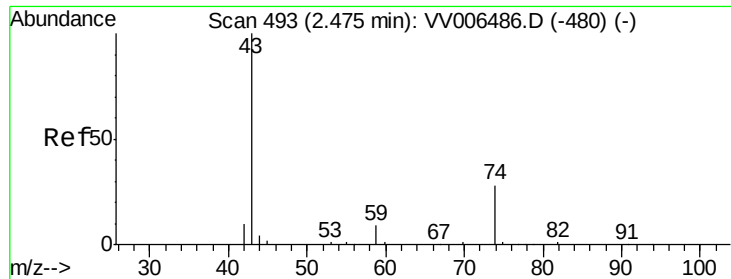
Tgt Ion: 76 Resp: 175508

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

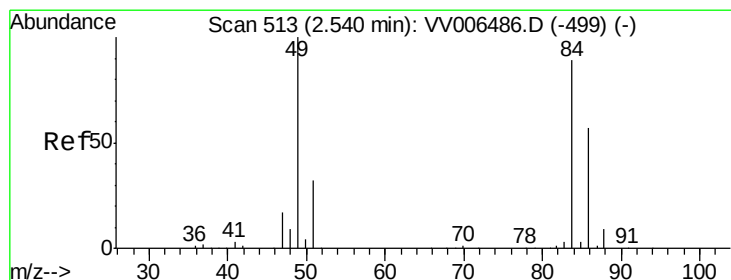
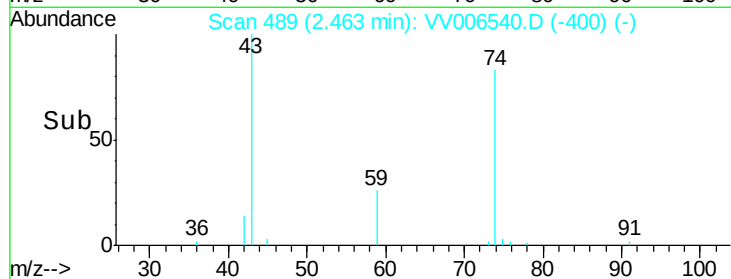
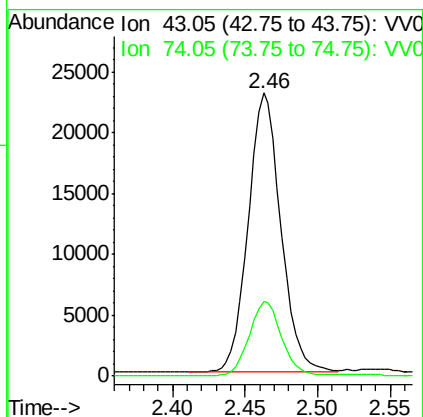
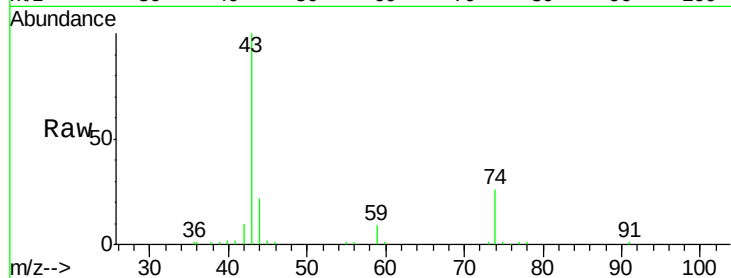




#15
Methyl Acetate
Concen: 6.425 ug/L
RT: 2.46 min Scan# 489
Delta R.T. -0.01 min
Lab File: VV006540.D
Acq: 02 Jul 2018 19:45

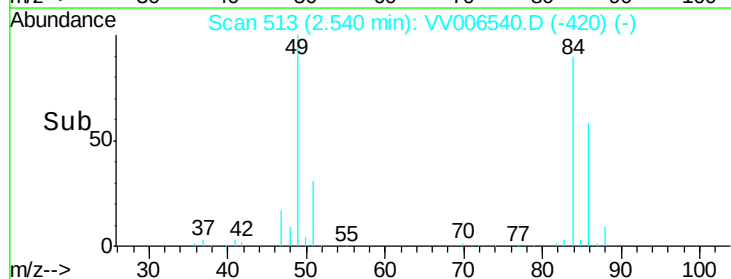
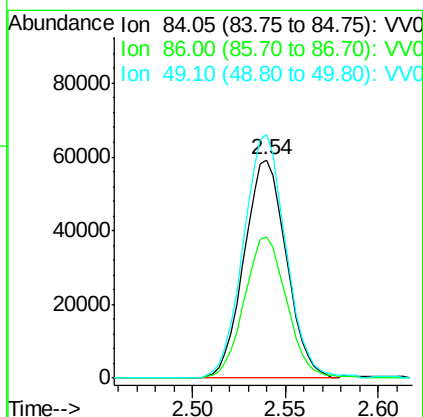
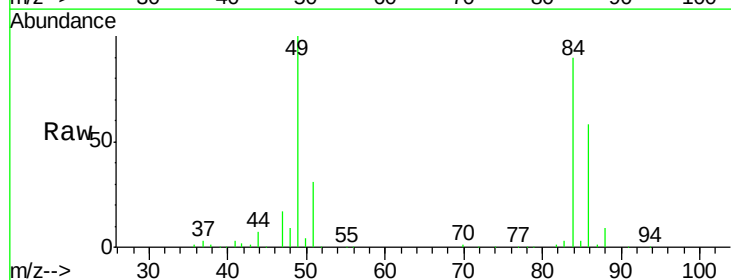
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

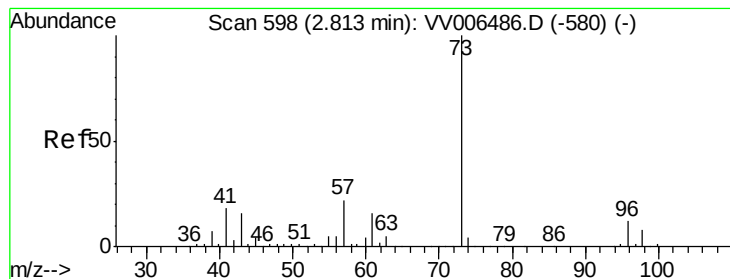
Tgt Ion: 43 Resp: 36130
Ion Ratio Lower Upper
43 100
74 26.4 22.2 33.4



#16
Methylene chloride
Concen: 5.234 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006540.D
Acq: 02 Jul 2018 19:45

Tgt Ion: 84 Resp: 93756
Ion Ratio Lower Upper
84 100
86 64.8 44.2 82.2
49 111.4 79.0 146.8





#17

Methyl tert-butyl Ether

Concen: 5.796 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

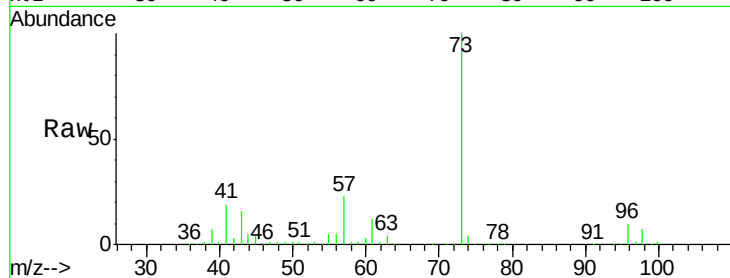
Tgt Ion: 73 Resp: 214852

Ion Ratio Lower Upper

73 100

43 15.8 12.9 19.3

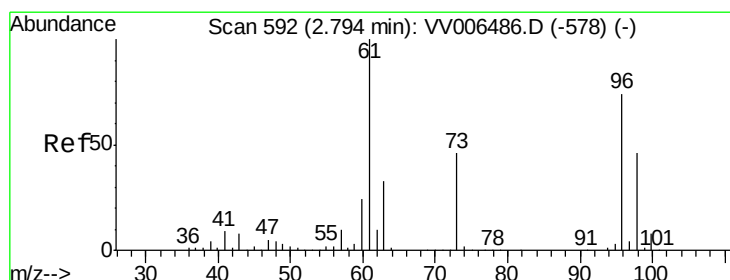
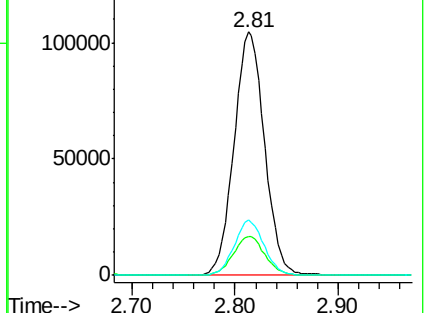
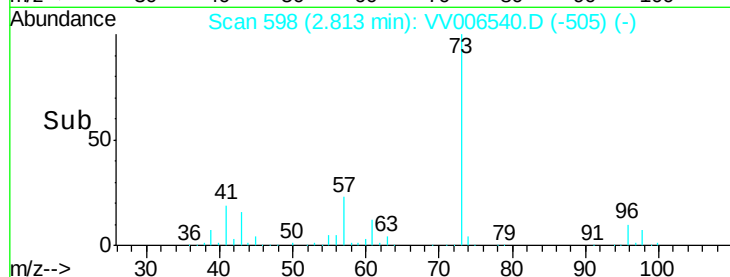
57 22.3 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VV006540.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006540.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006540.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.157 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

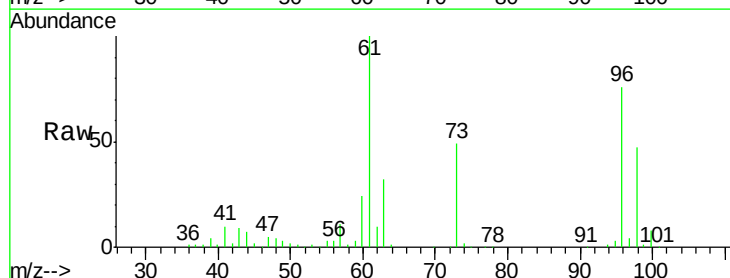
Tgt Ion: 96 Resp: 86352

Ion Ratio Lower Upper

96 100

61 132.0 94.4 175.2

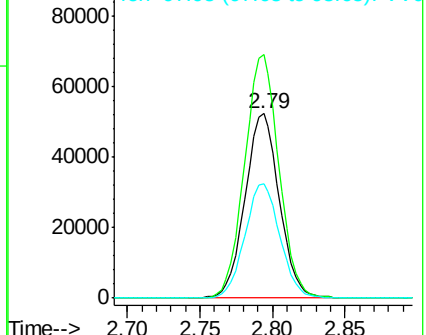
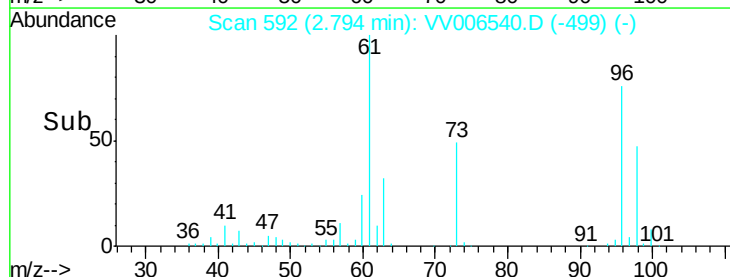
98 61.9 44.3 82.3

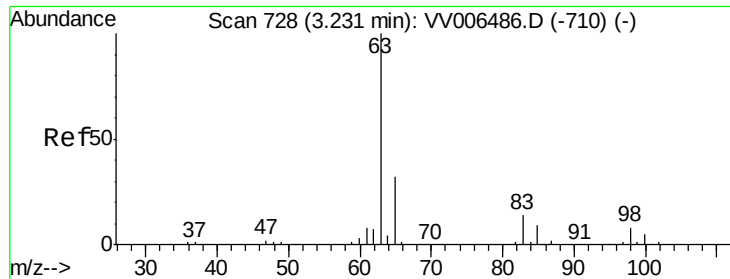


Abundance Ion 96.00 (95.70 to 96.70): VV006540.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV006540.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV006540.D (-499) (-)

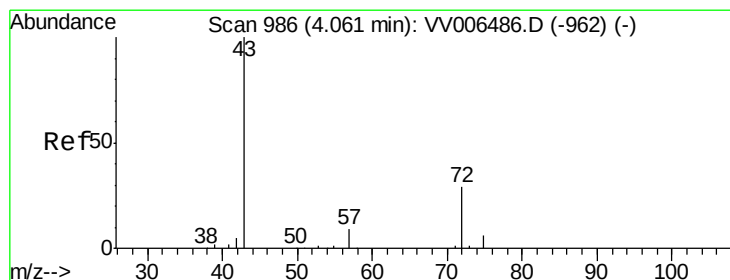
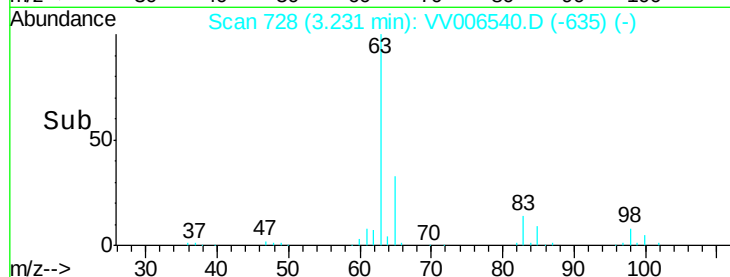
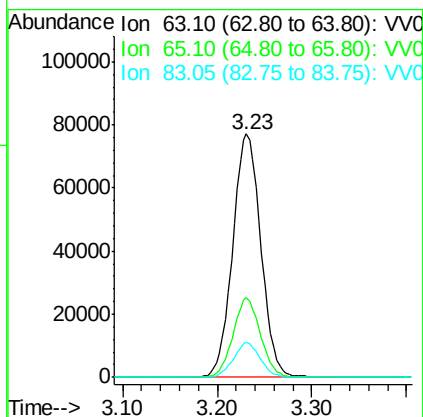
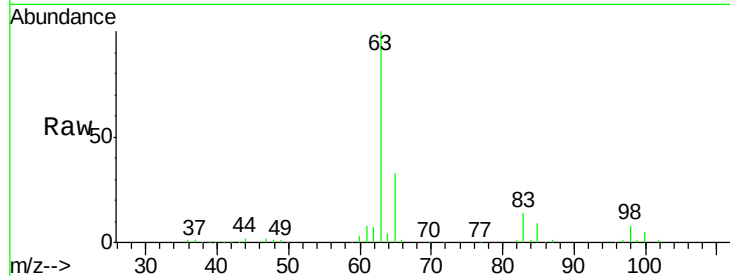




#19
 1,1-Dichloroethane
 Concen: 5.331 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

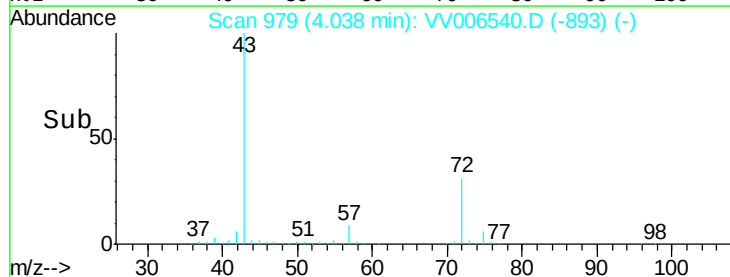
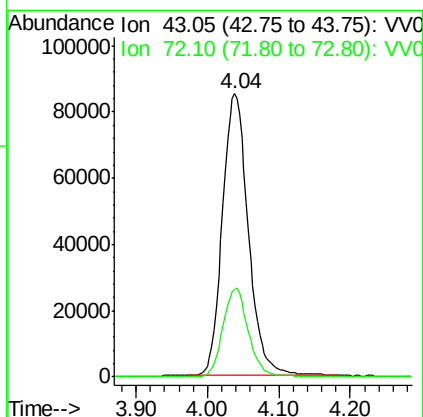
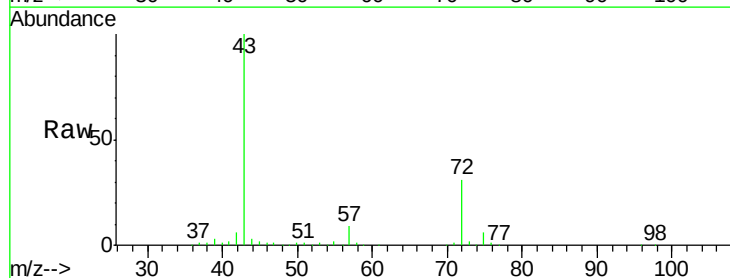
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

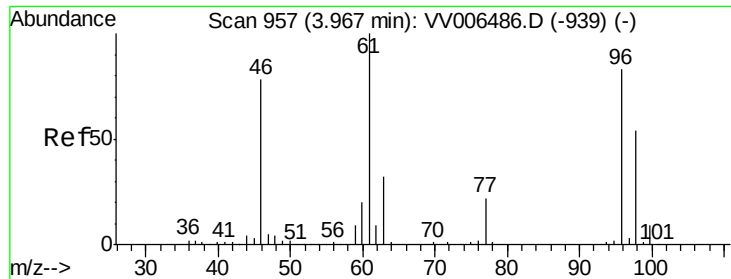
Tgt Ion: 63 Resp: 158971
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.2 41.2
 83 14.2 9.2 17.2



#21
 2-Butanone
 Concen: 62.414 ug/L
 RT: 4.04 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

Tgt Ion: 43 Resp: 215420
 Ion Ratio Lower Upper
 43 100
 72 30.3 15.4 46.1



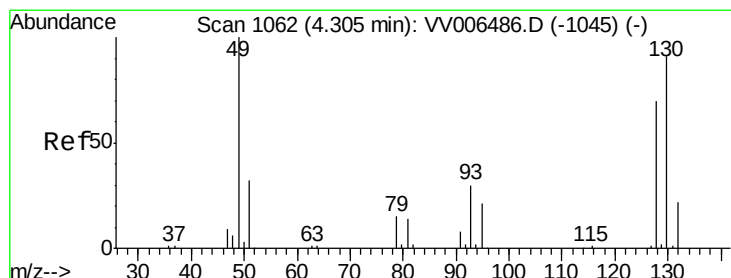
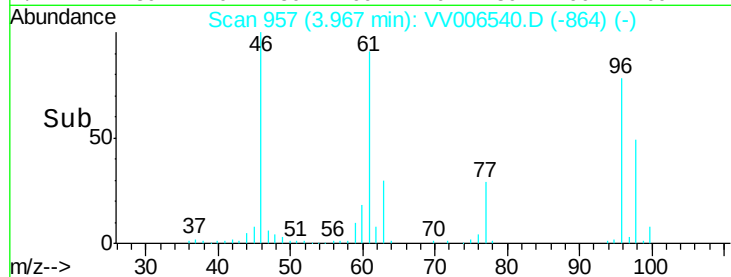
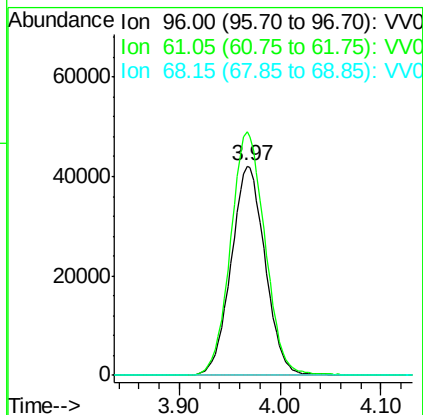
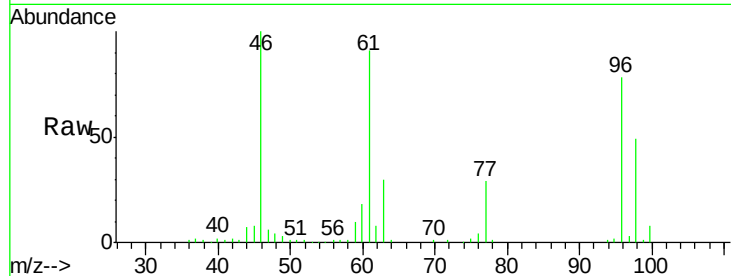


#22

cis-1,2-Dichloroethene
Concen: 5.342 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006540.D
Acq: 02 Jul 2018 19:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

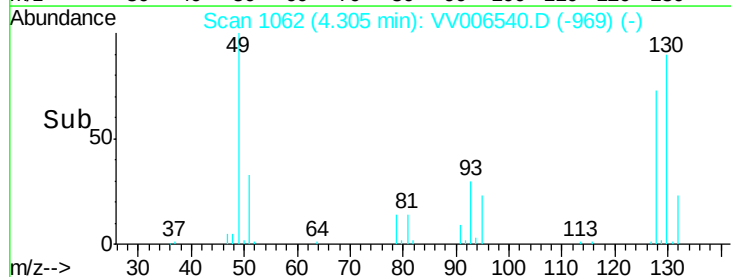
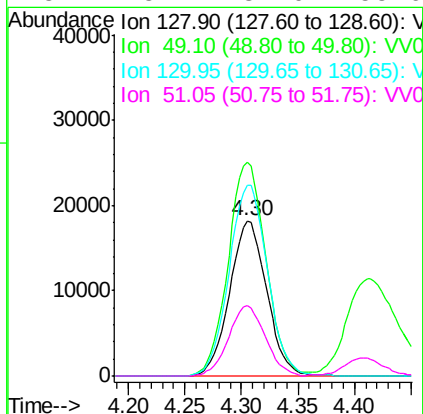
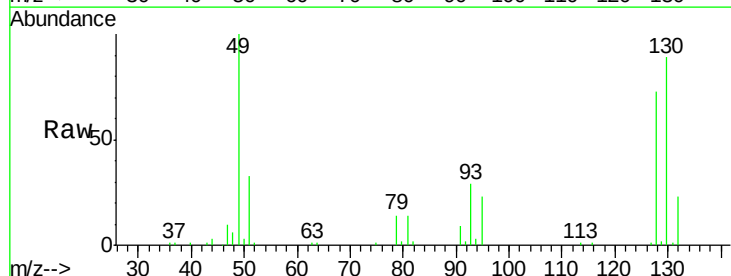
Tgt Ion: 96 Resp: 98349
Ion Ratio Lower Upper
96 100
61 116.2 81.8 151.8
68 0.0 0.0 0.0

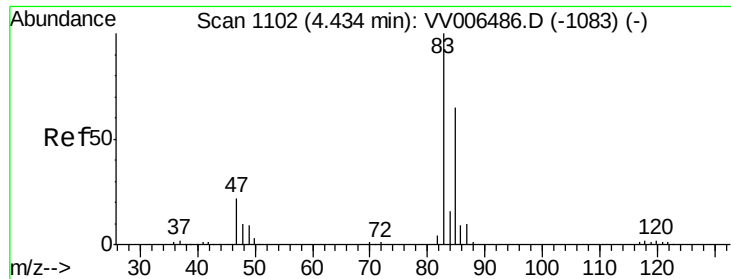


#23

Bromochloromethane
Concen: 5.554 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006540.D
Acq: 02 Jul 2018 19:45

Tgt Ion: 128 Resp: 41547
Ion Ratio Lower Upper
128 100
49 137.6 101.2 188.0
130 122.9 93.0 172.6
51 45.2 37.0 55.6

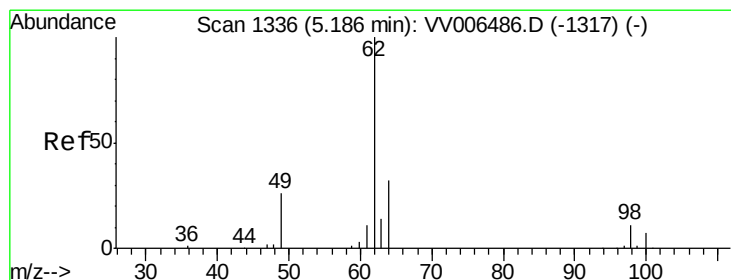
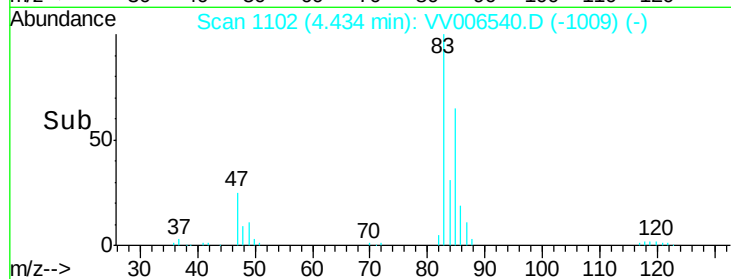
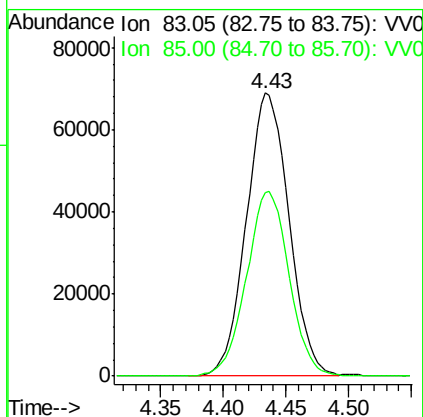
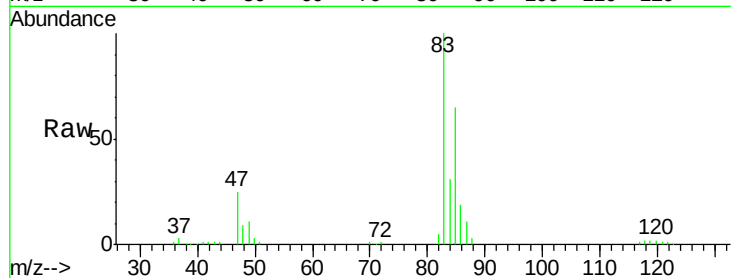




#25
Chloroform
Concen: 5.427 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006540.D
Acq: 02 Jul 2018 19:45

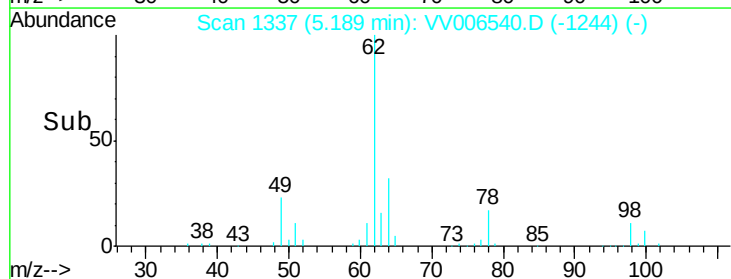
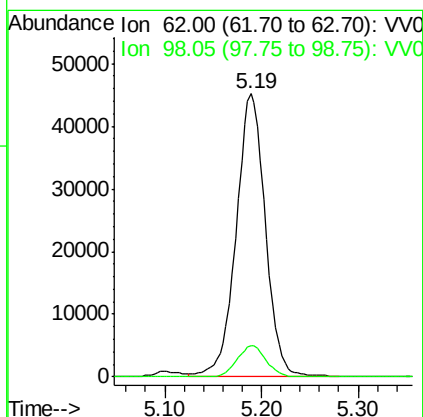
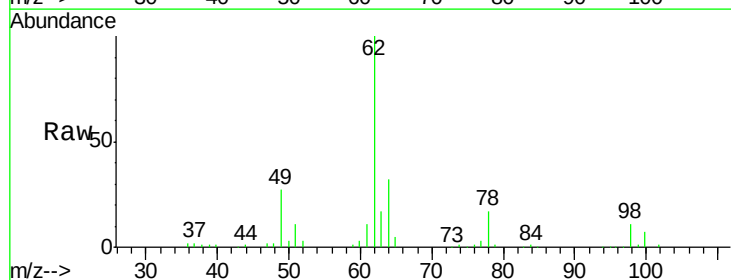
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

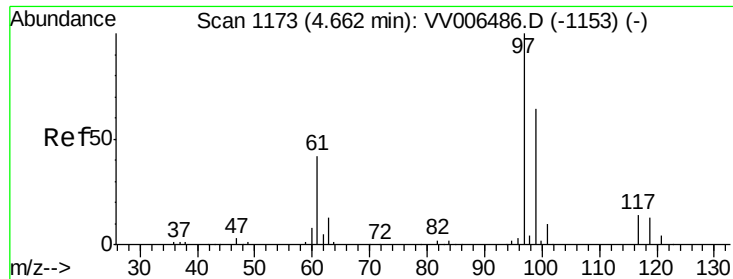
Tgt Ion: 83 Resp: 163127
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 5.624 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006540.D
Acq: 02 Jul 2018 19:45

Tgt Ion: 62 Resp: 94978
Ion Ratio Lower Upper
62 100
98 11.1 8.8 13.2

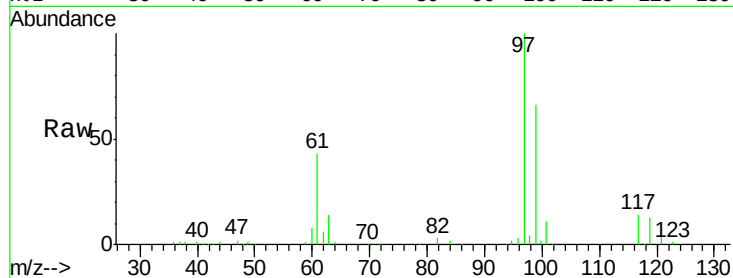




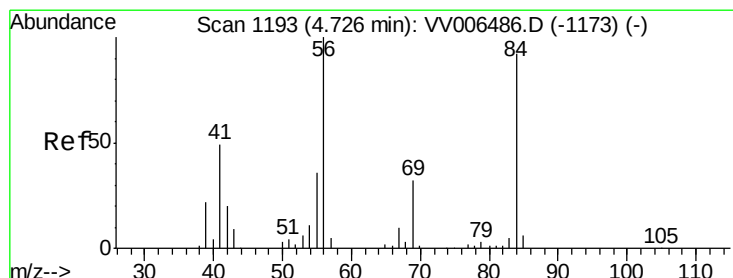
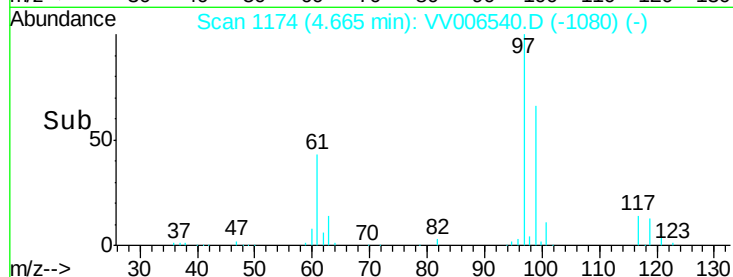
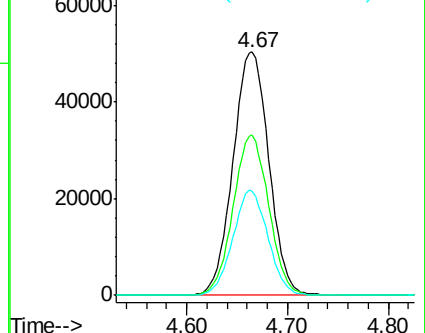
#29
 1,1,1-Trichloroethane
 Concen: 4.921 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion: 97 Resp: 124287
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.0 76.4
 61 42.6 33.8 50.6

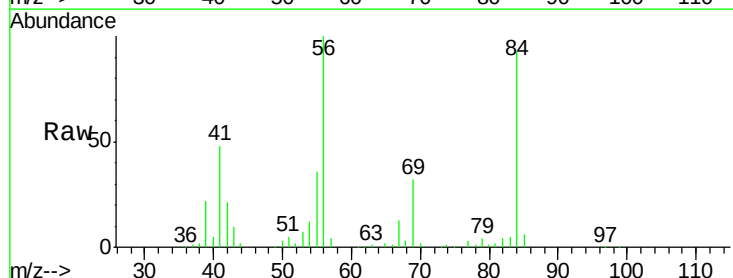


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

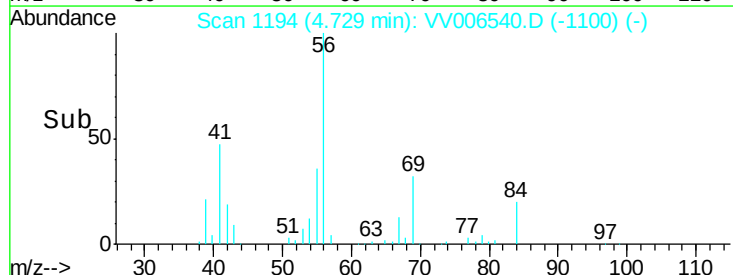
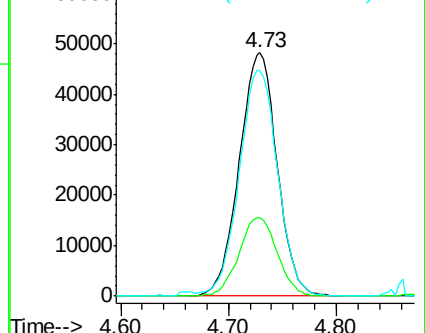


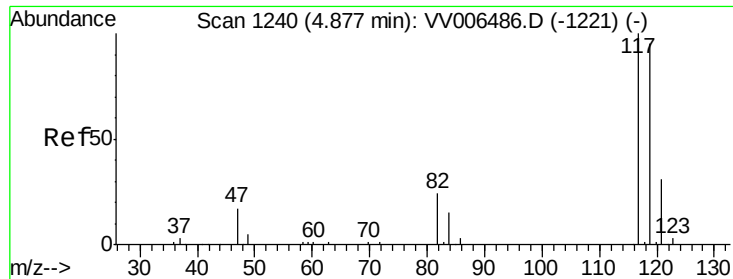
#30
 Cyclohexane
 Concen: 4.660 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

Tgt Ion: 56 Resp: 117632
 Ion Ratio Lower Upper
 56 100
 69 32.1 25.6 38.4
 84 94.6 75.4 113.0



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.779 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

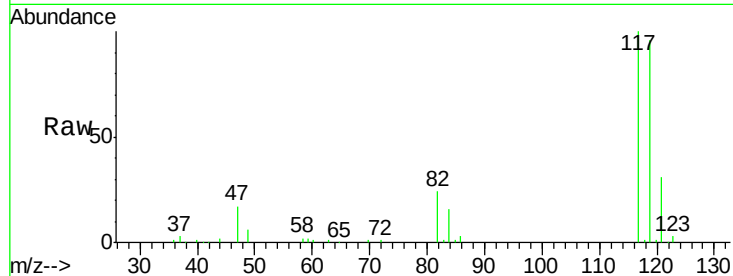
VSTD00571

Tgt Ion:117 Resp: 101251

Ion Ratio Lower Upper

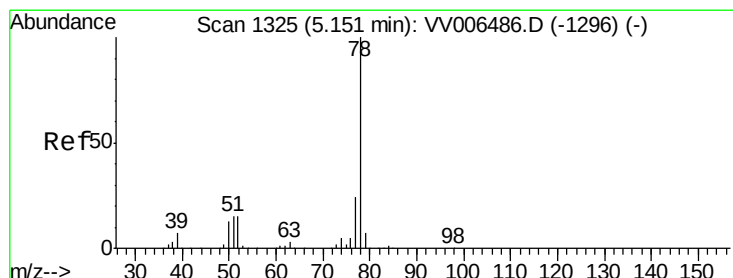
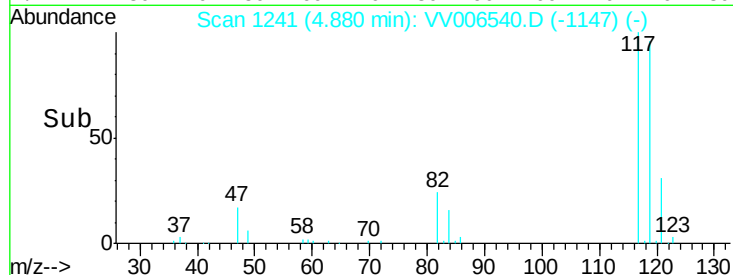
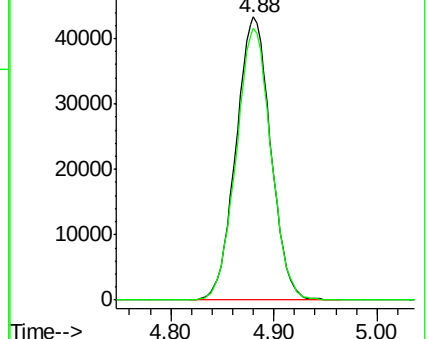
117 100

119 96.3 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.281 ug/L

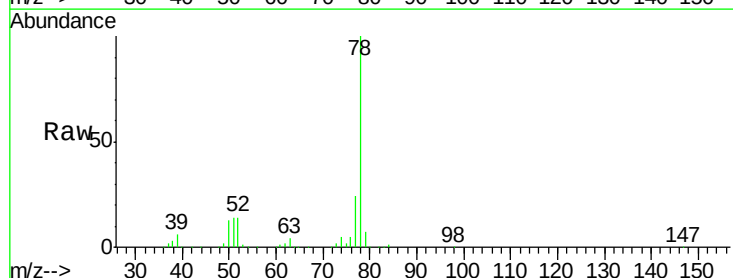
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

Tgt Ion: 78 Resp: 361196



Abundance Ion 78.10 (77.80 to 78.80): VV0

200000

150000

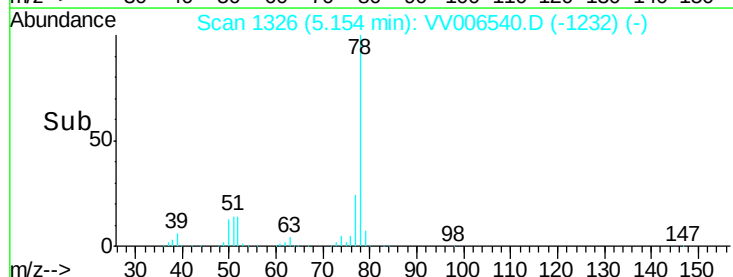
100000

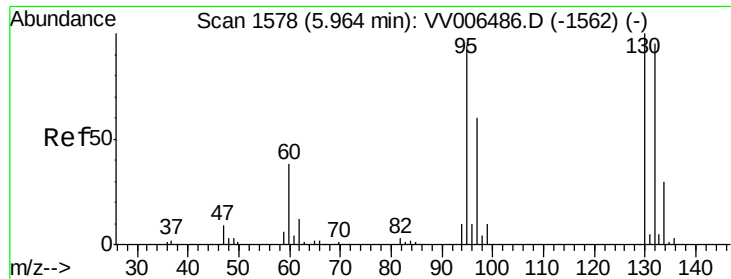
50000

0

5.00 5.10 5.20 5.30

Time-->

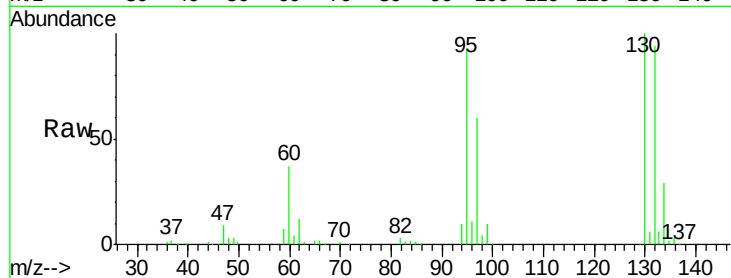




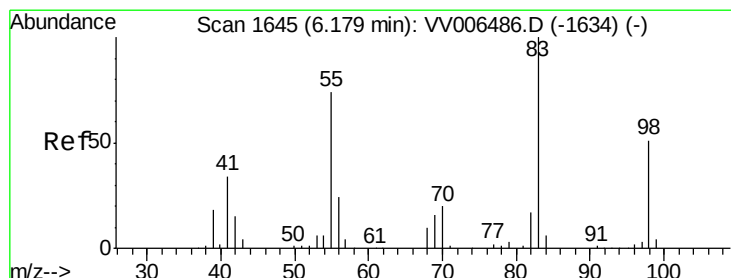
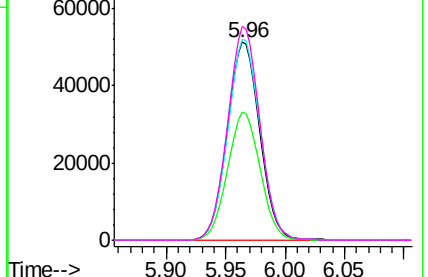
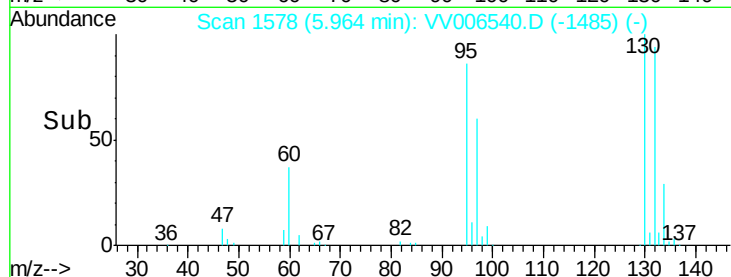
#34
 Trichloroethene
 Concen: 4.960 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion: 95 Resp: 97050
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.6 82.8
 132 101.6 70.1 130.1
 130 107.8 73.3 136.1

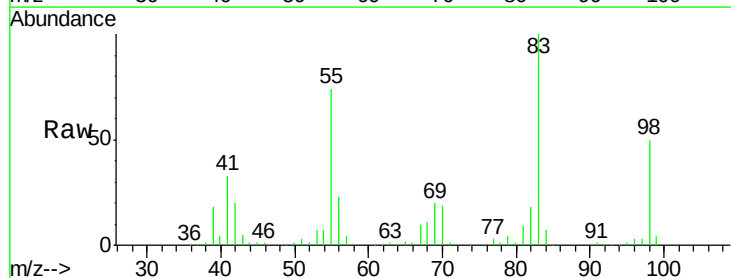


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

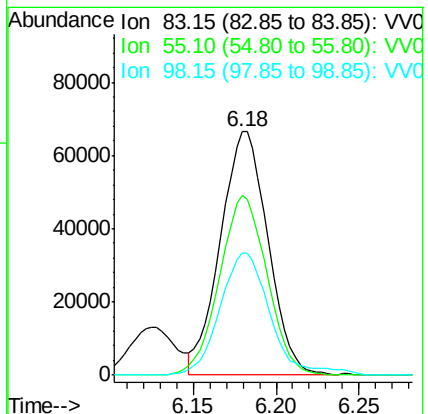
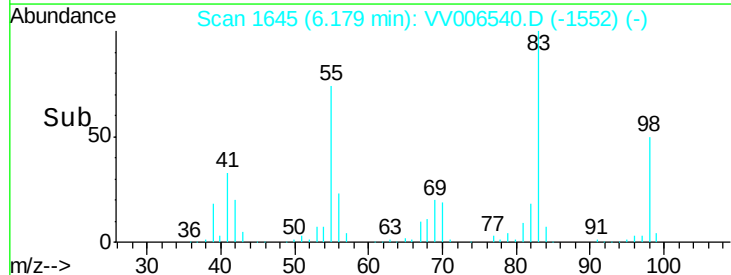


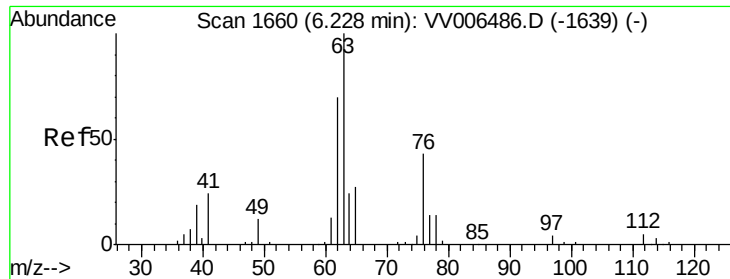
#35
 Methylcyclohexane
 Concen: 4.665 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

Tgt Ion: 83 Resp: 132727
 Ion Ratio Lower Upper
 83 100
 55 73.7 57.5 86.3
 98 53.0 39.6 59.4



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

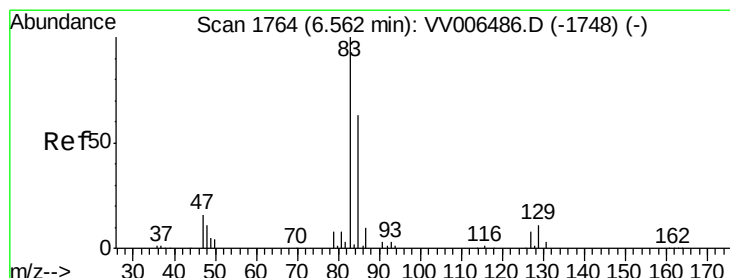
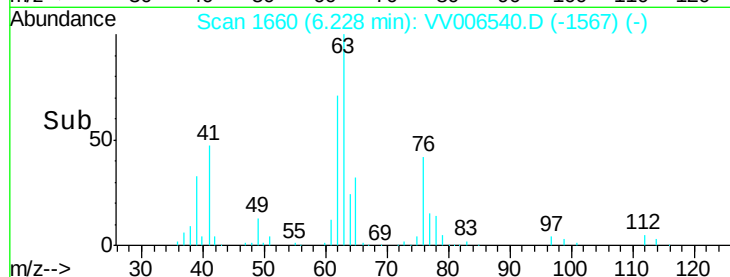
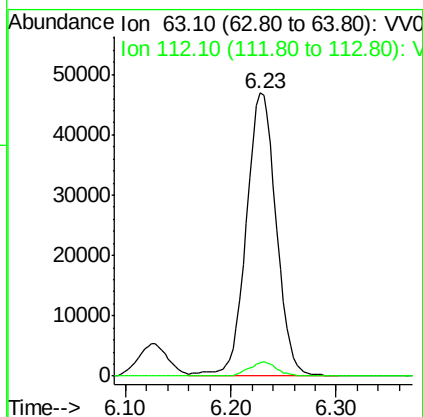
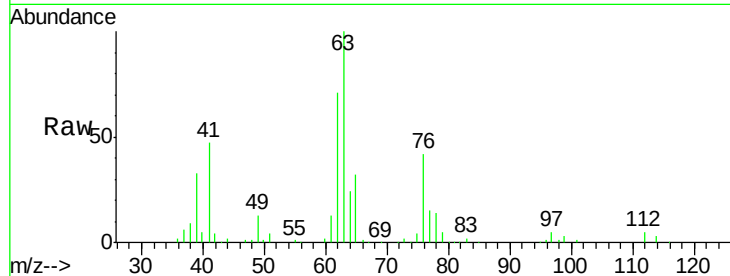




#37
 1,2-Dichloropropane
 Concen: 5.549 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

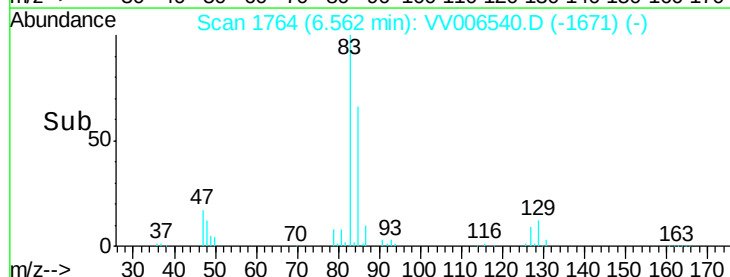
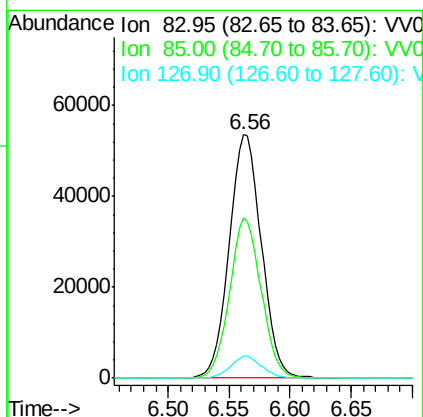
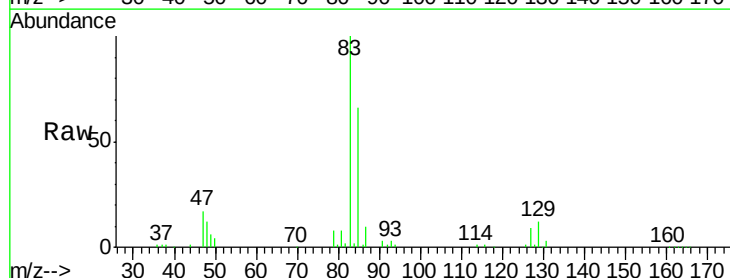
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00571

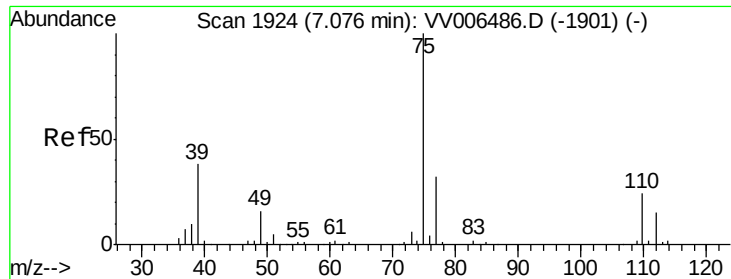
Tgt Ion: 63 Resp: 92758
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.0 6.0



#38
 Bromodichloromethane
 Concen: 5.128 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

Tgt Ion: 83 Resp: 98656
 Ion Ratio Lower Upper
 83 100
 85 65.8 45.1 83.9
 127 8.9 6.6 9.8

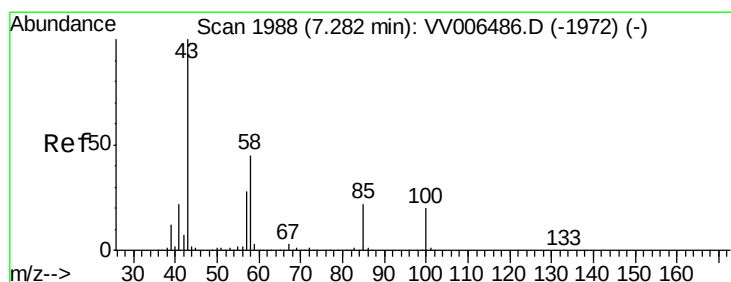
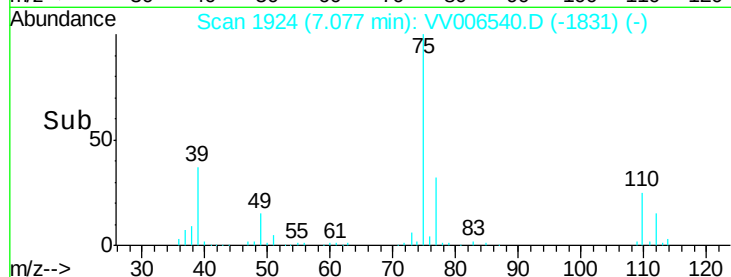
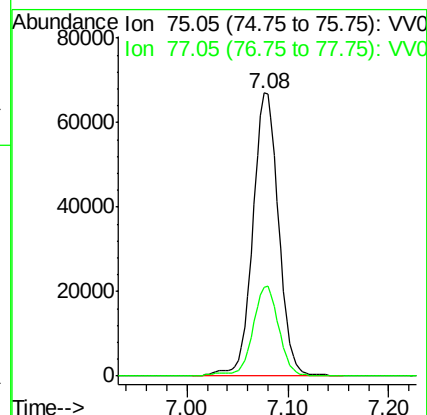
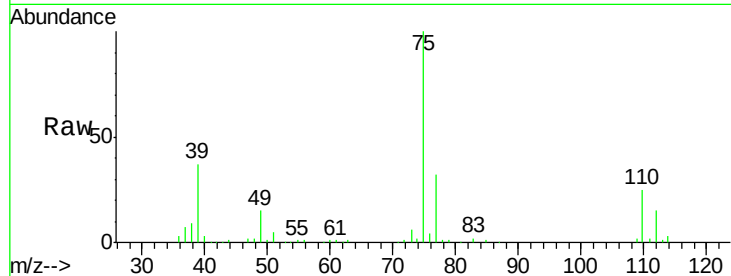




#39
 cis-1,3-Dichloropropene
 Concen: 5.065 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

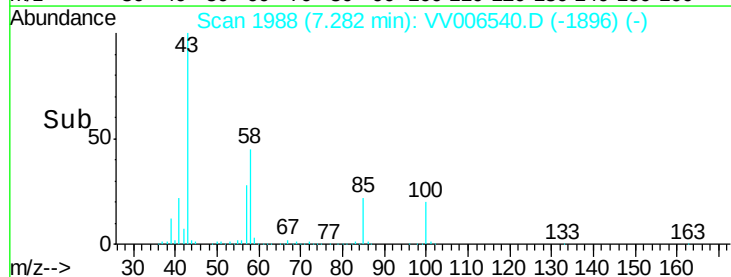
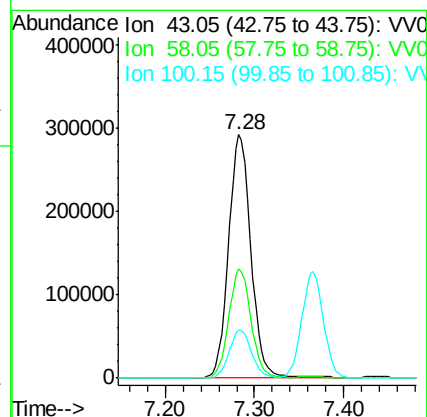
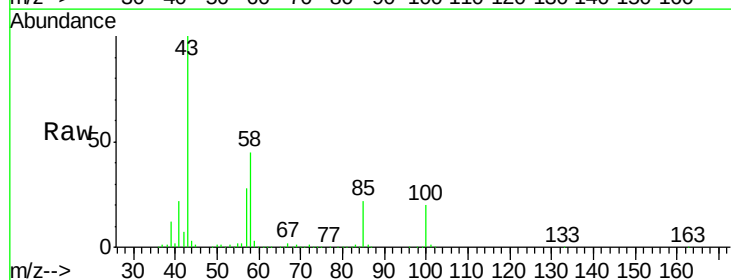
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

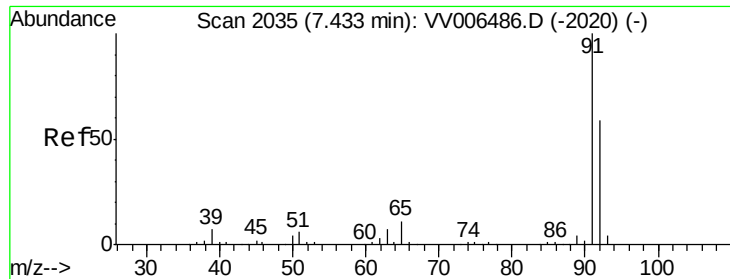
Tgt Ion: 75 Resp: 117819
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 62.658 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

Tgt Ion: 43 Resp: 509615
 Ion Ratio Lower Upper
 43 100
 58 44.4 35.4 53.2
 100 19.6 15.5 23.3





#42

Toluene

Concen: 5.151 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

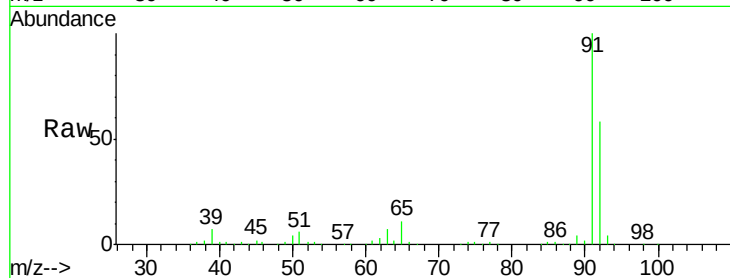
VSTD00571

Tgt Ion: 91 Resp: 373074

Ion Ratio Lower Upper

91 100

92 57.8 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV006540.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006540.D (-1943) (-)

7.44

250000

200000

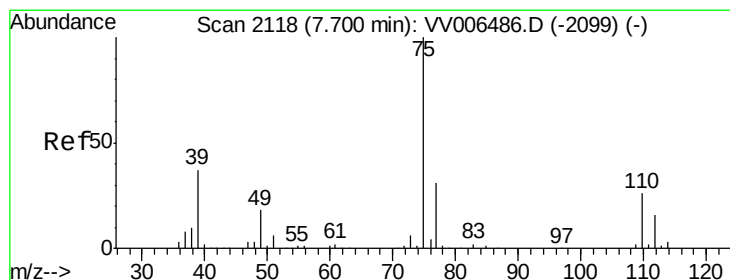
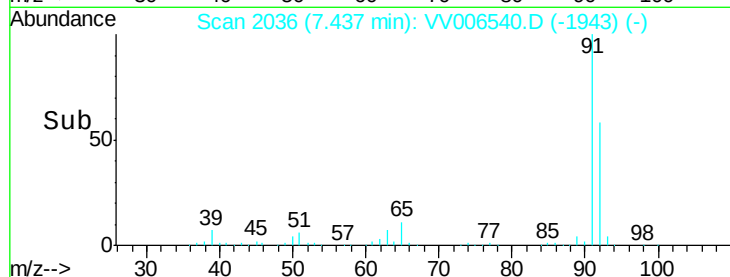
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.043 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006540.D

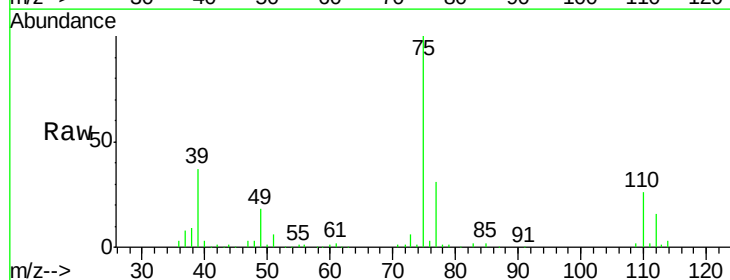
Acq: 02 Jul 2018 19:45

Tgt Ion: 75 Resp: 91995

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV006540.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV006540.D (-2025) (-)

7.70

60000

50000

40000

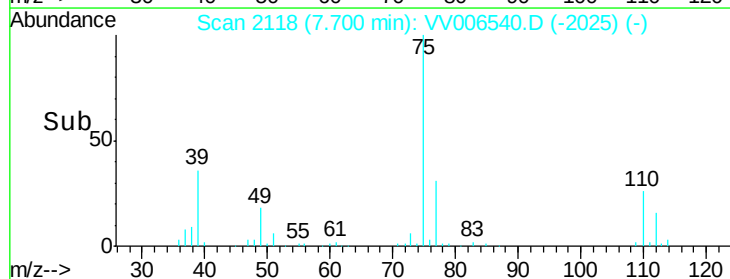
30000

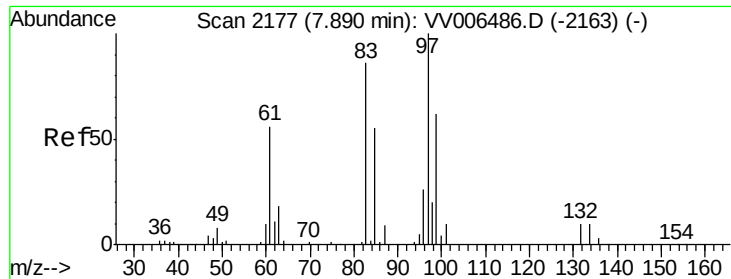
20000

10000

0

Time-->

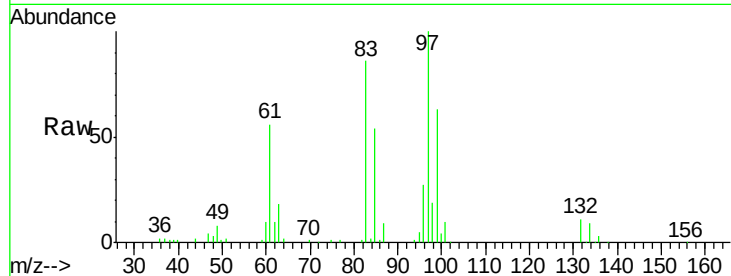




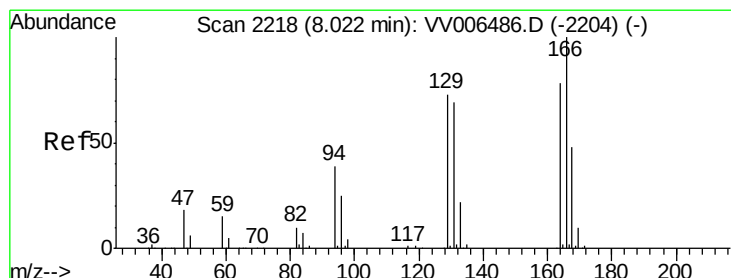
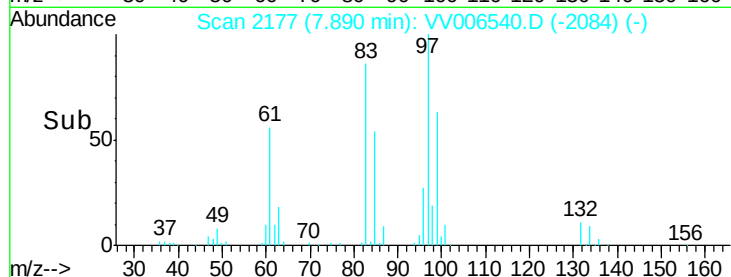
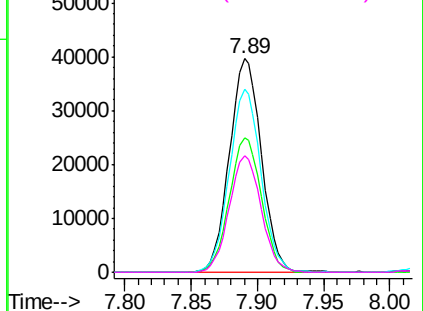
#45
 1,1,2-Trichloroethane
 Concen: 5.745 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion:	97	Resp:	66323
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.2
83	85.7	59.0	109.6
85	54.4	36.8	68.3

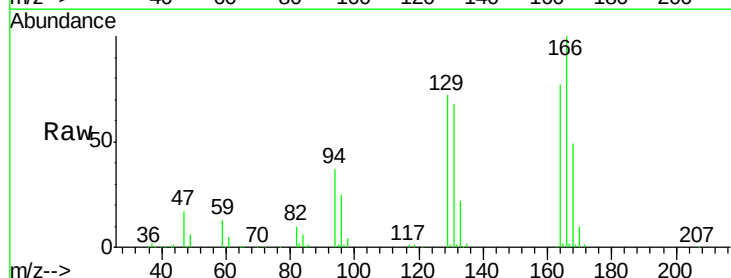


Abundance Ion 96.95 (96.65 to 97.65): VV006540.D (-2084) (-)

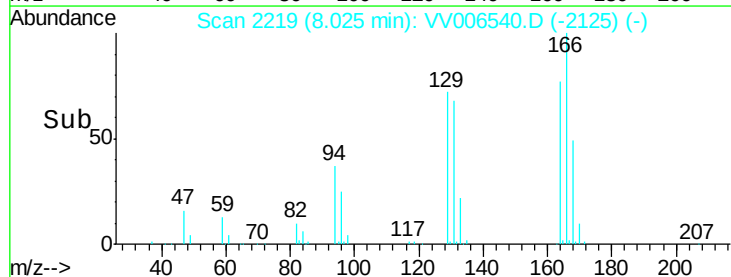
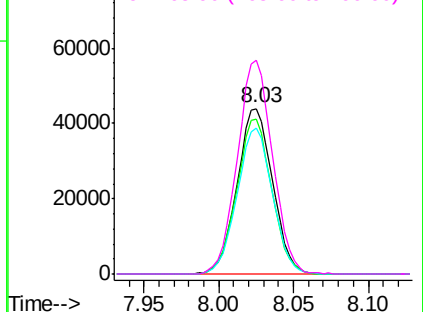


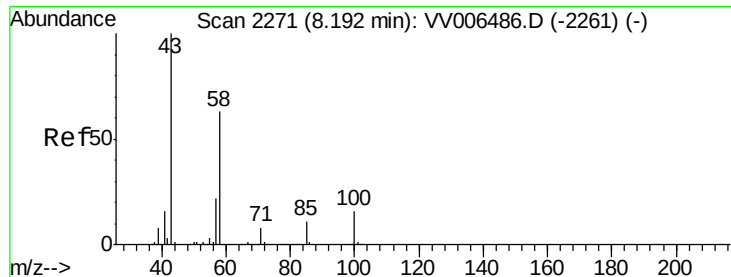
#47
 Tetrachloroethene
 Concen: 4.922 ug/L
 RT: 8.03 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

Tgt Ion:	164	Resp:	72755
Ion	Ratio	Lower	Upper
164	100		
129	93.6	64.0	118.8
131	88.1	61.7	114.5
166	129.3	89.0	165.2



Abundance Ion 163.90 (163.60 to 164.60): VV006540.D (-2125) (-)

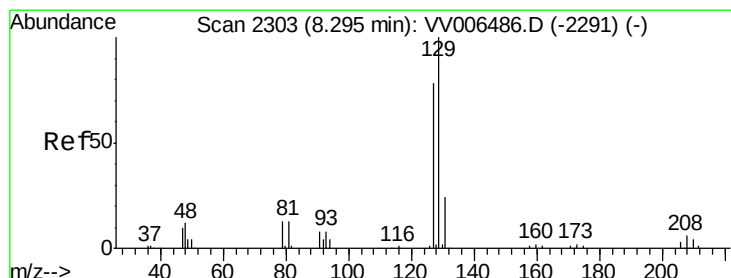
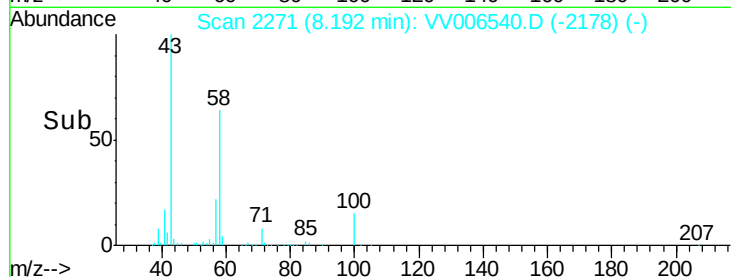
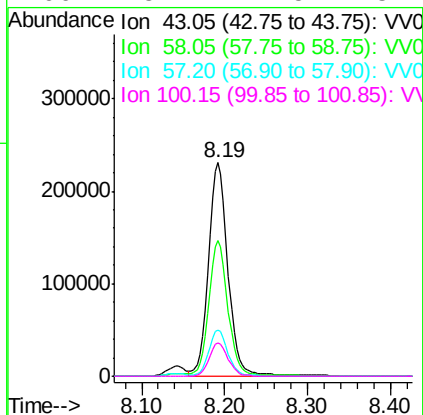
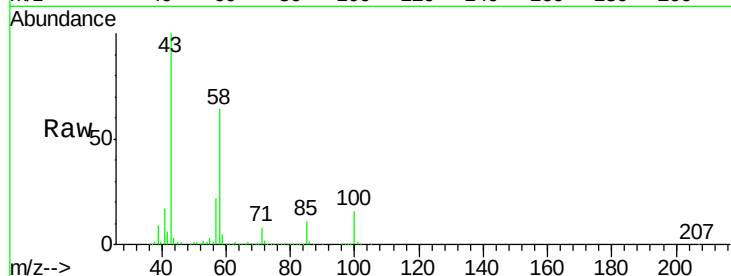




#48
2-Hexanone
Concen: 64.966 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006540.D
Acq: 02 Jul 2018 19:45

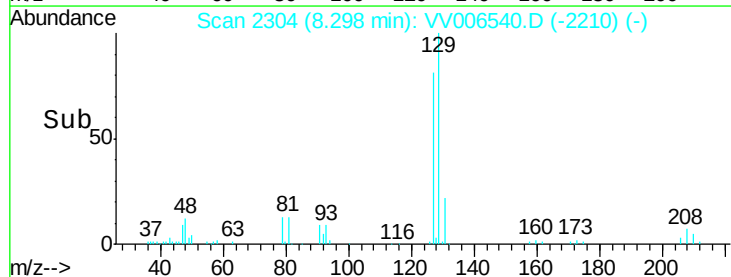
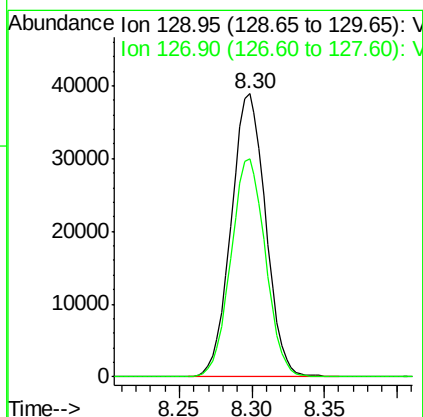
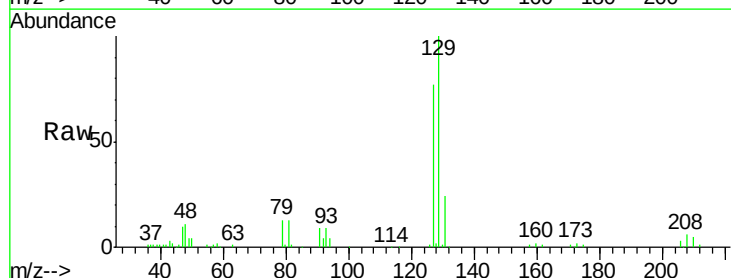
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

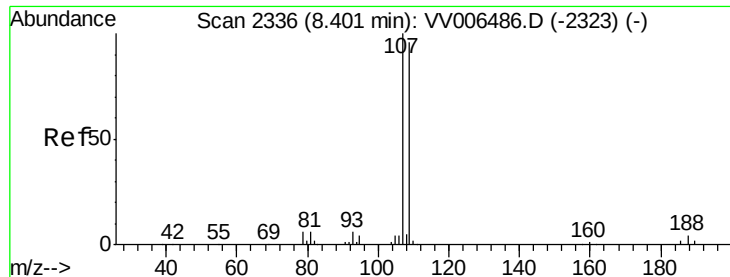
Tgt Ion:	43	Resp:	380141
Ion	Ratio	Lower	Upper
43	100		
58	62.8	49.9	74.9
57	21.1	17.3	25.9
100	15.2	12.5	18.7



#49
Dibromochloromethane
Concen: 5.233 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006540.D
Acq: 02 Jul 2018 19:45

Tgt Ion:	129	Resp:	64403
Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.0	100.2

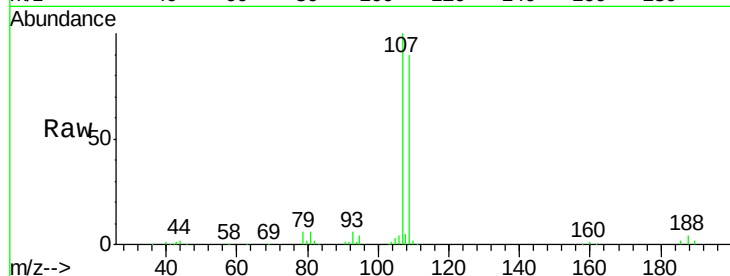




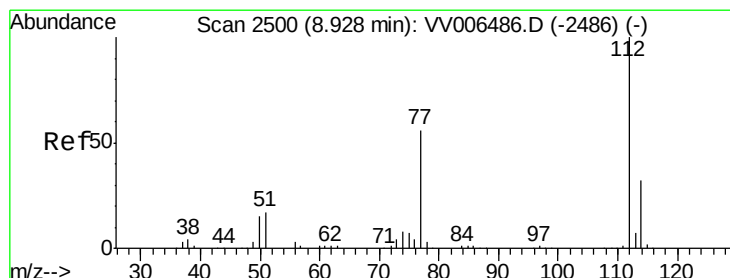
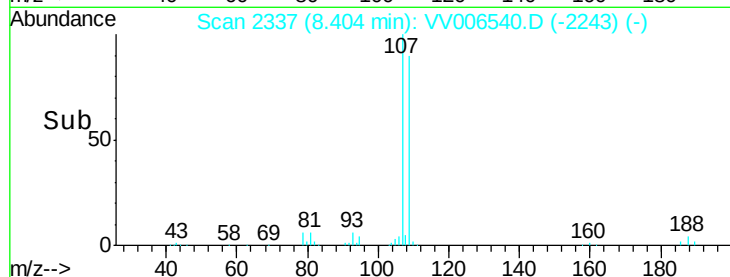
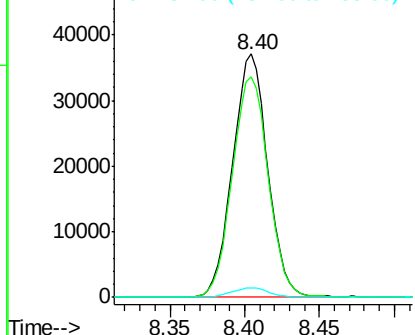
#50
1,2-Dibromoethane
Concen: 5.820 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006540.D
Acq: 02 Jul 2018 19:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion:107 Resp: 60398
Ion Ratio Lower Upper
107 100
109 90.4 64.3 119.5
188 4.0 3.0 4.6

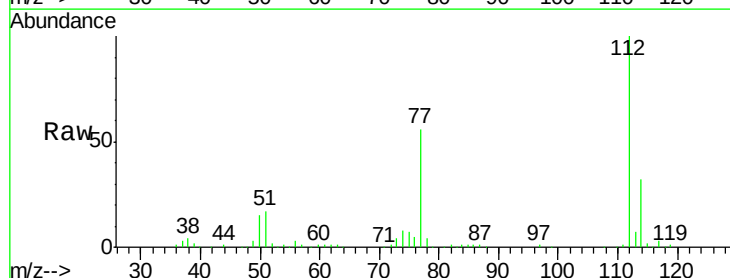


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

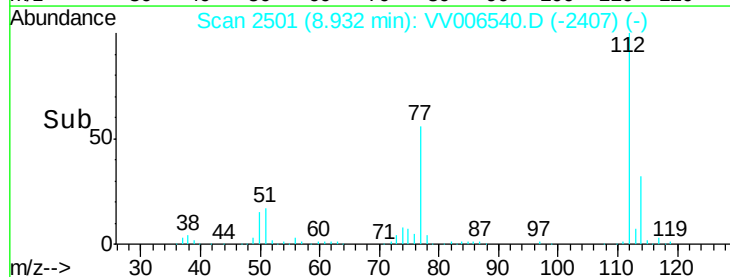
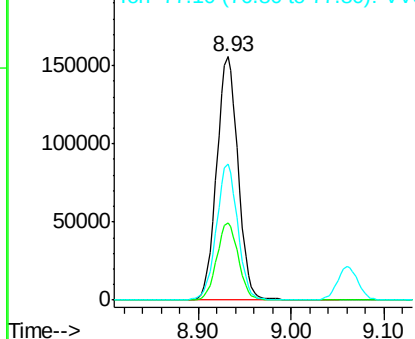


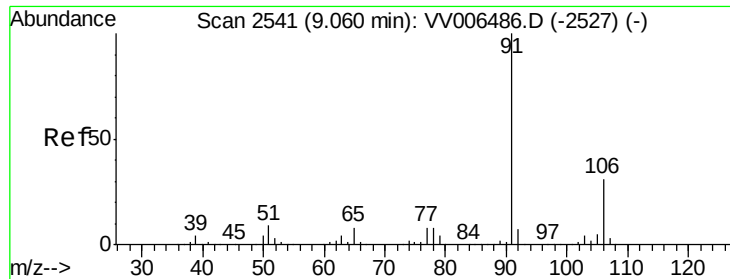
#51
Chlorobenzene
Concen: 5.209 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006540.D
Acq: 02 Jul 2018 19:45

Tgt Ion:112 Resp: 249640
Ion Ratio Lower Upper
112 100
114 31.9 22.8 42.4
77 55.8 44.6 66.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.067 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

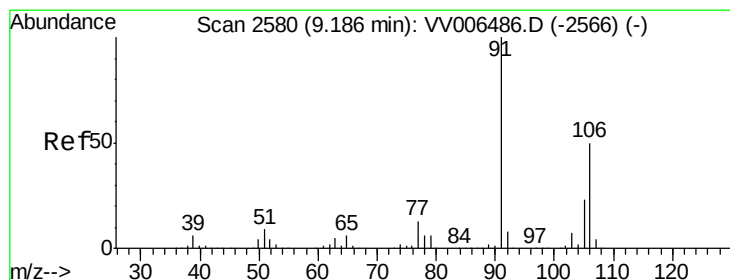
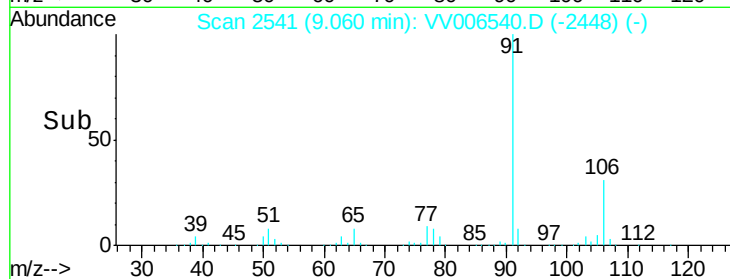
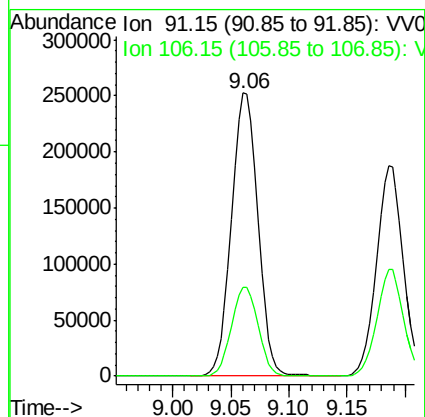
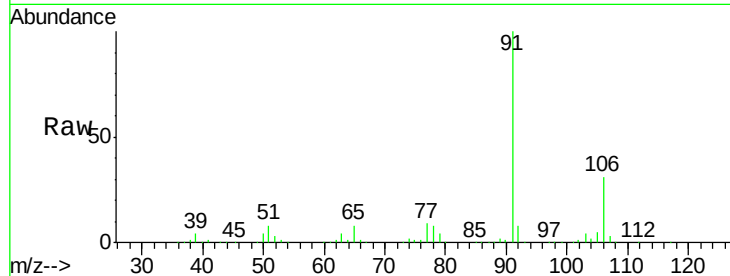
VSTD00571

Tgt Ion: 91 Resp: 397335

Ion Ratio Lower Upper

91 100

106 31.4 22.2 41.2



#53

m,p-xylene

Concen: 5.048 ug/L

RT: 9.19 min Scan# 2581

Delta R.T. 0.00 min

Lab File: VV006540.D

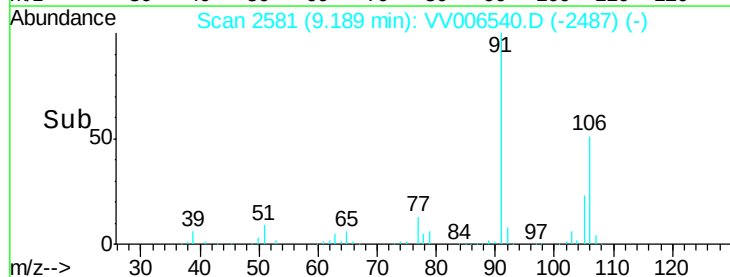
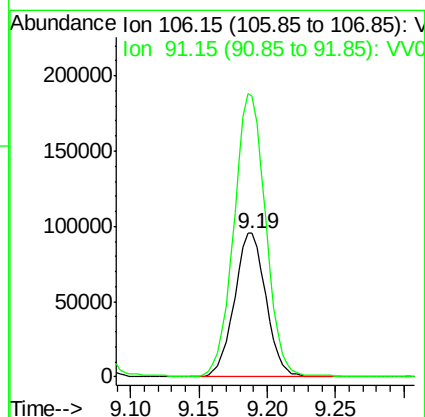
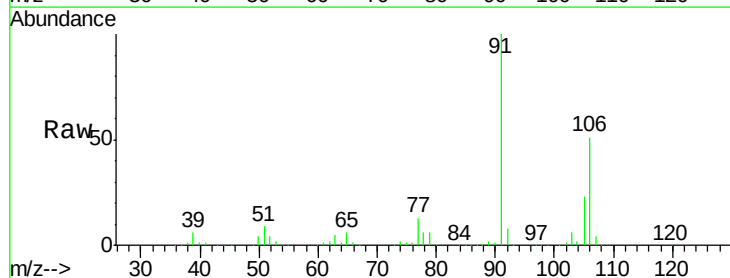
Acq: 02 Jul 2018 19:45

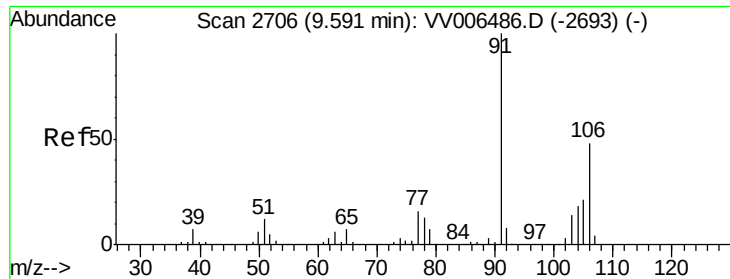
Tgt Ion: 106 Resp: 152663

Ion Ratio Lower Upper

106 100

91 195.8 138.8 257.8

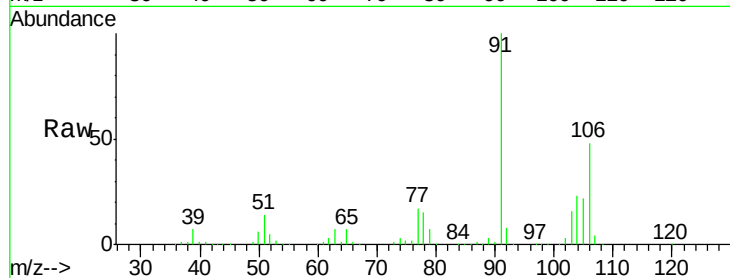




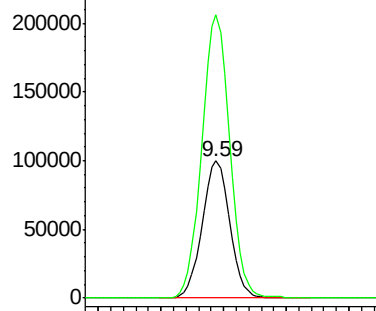
#54
o-xylene
Concen: 5.154 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV006540.D
Acq: 02 Jul 2018 19:45

Instrument :
MSVOA_V
ClientSampled :
VSTD00571

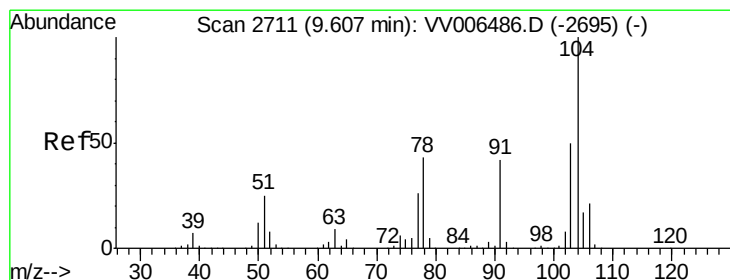
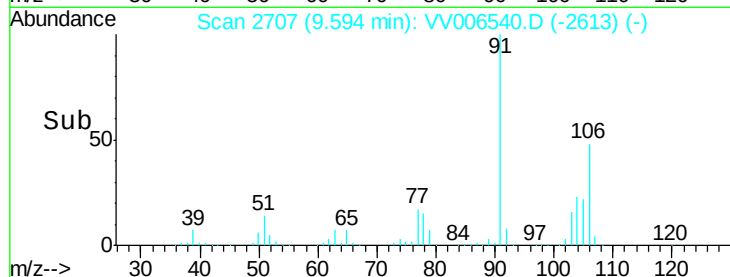
Tgt Ion:106 Resp: 152910
Ion Ratio Lower Upper
106 100
91 206.9 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

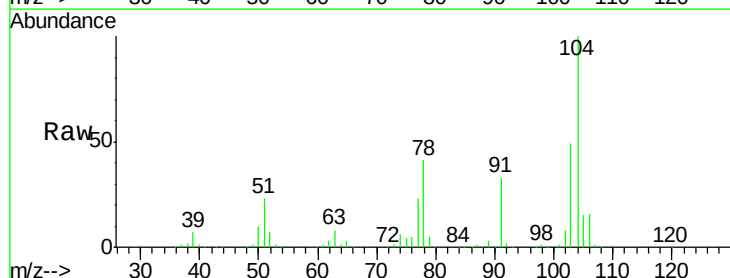


Time--> 9.50 9.55 9.60 9.65 9.70

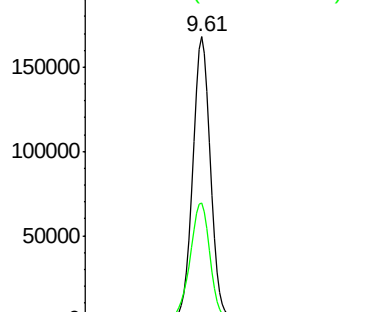


#55
Styrene
Concen: 5.412 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV006540.D
Acq: 02 Jul 2018 19:45

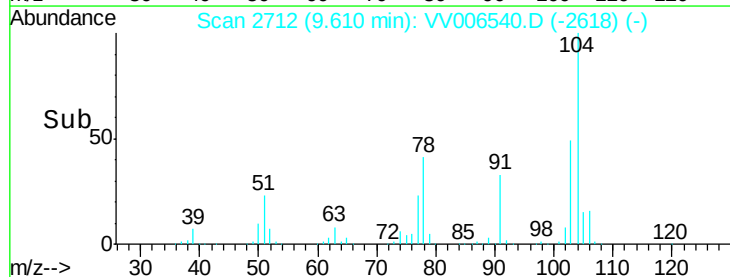
Tgt Ion:104 Resp: 262699
Ion Ratio Lower Upper
104 100
78 41.2 29.1 54.1

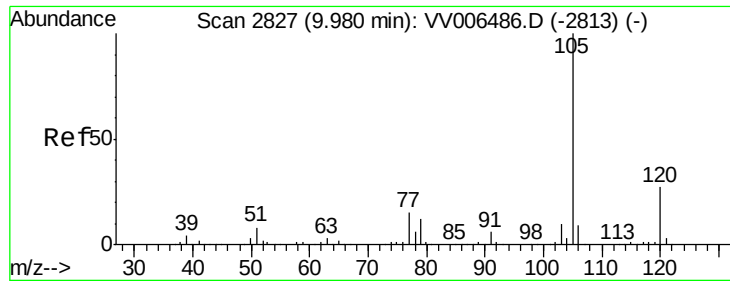


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0



Time--> 9.50 9.60 9.70 9.80





#56

Isopropylbenzene

Concen: 5.033 ug/L

RT: 9.98 min Scan# 2828

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

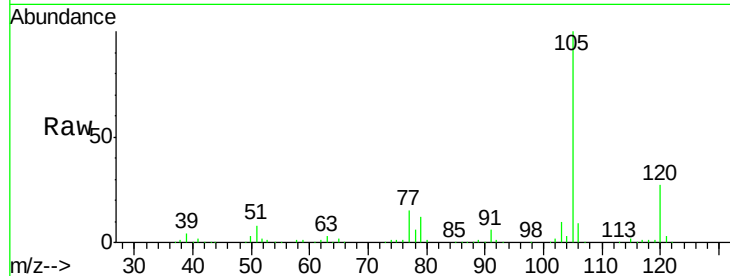
Tgt Ion: 105 Resp: 389094

Ion Ratio Lower Upper

105 100

120 27.2 21.7 32.5

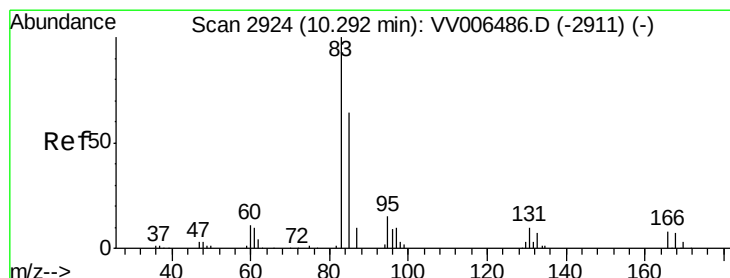
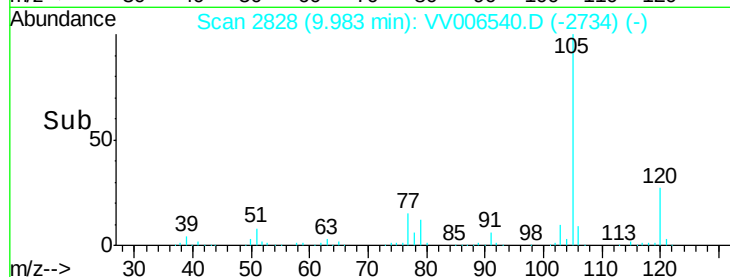
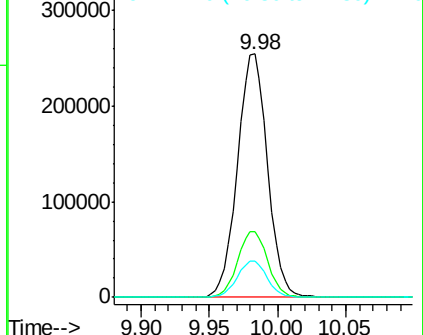
77 14.9 11.8 17.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.940 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

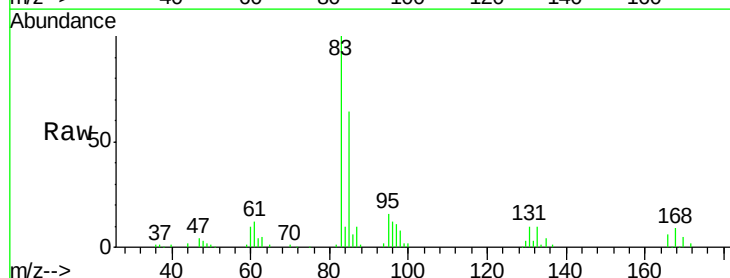
Tgt Ion: 83 Resp: 64672

Ion Ratio Lower Upper

83 100

85 64.0 44.8 83.2

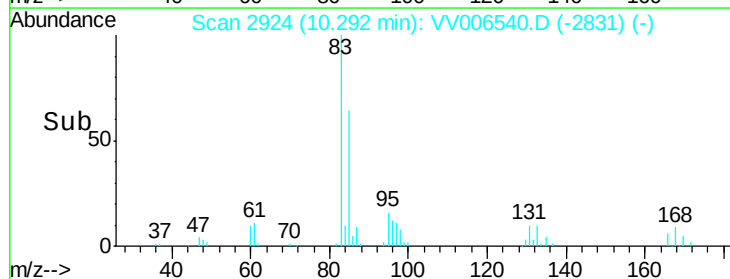
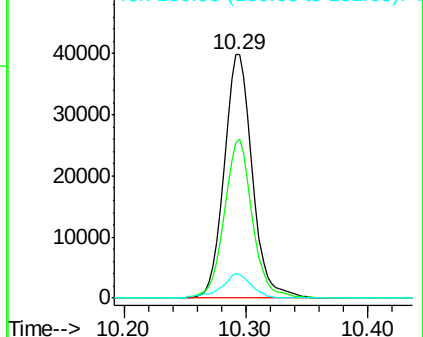
131 9.9 7.9 11.9

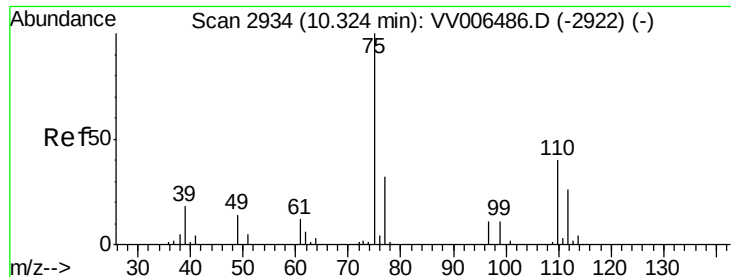


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

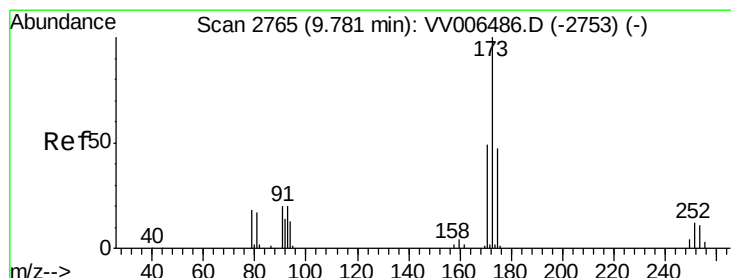
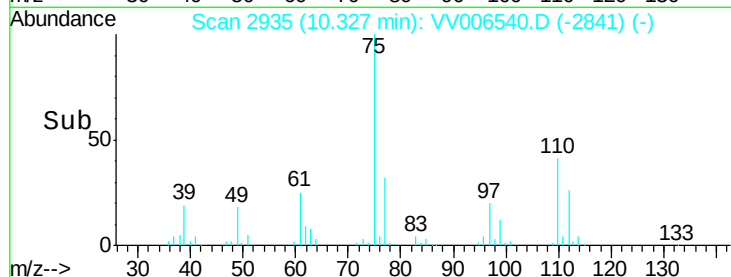
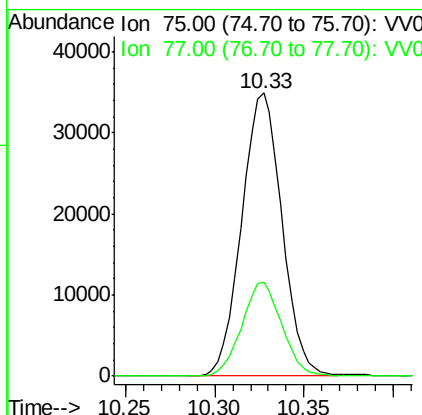
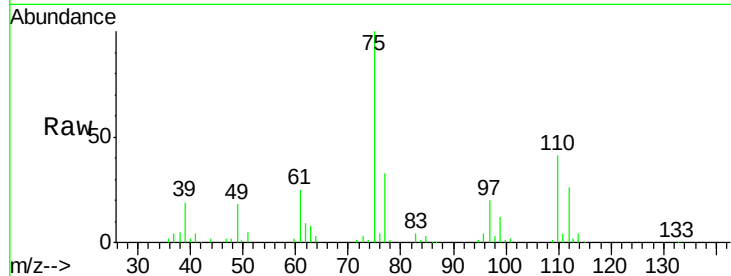




#59
 1,2,3-Trichloropropane
 Concen: 6.079 ug/L
 RT: 10.33 min Scan# 2935
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

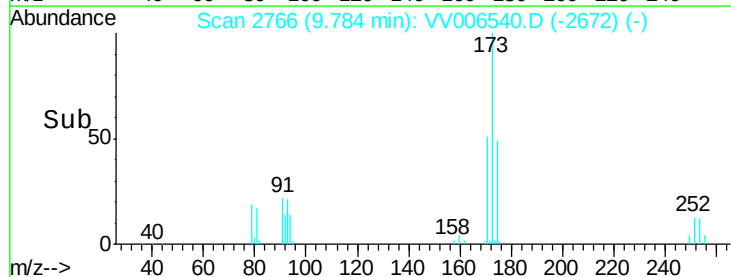
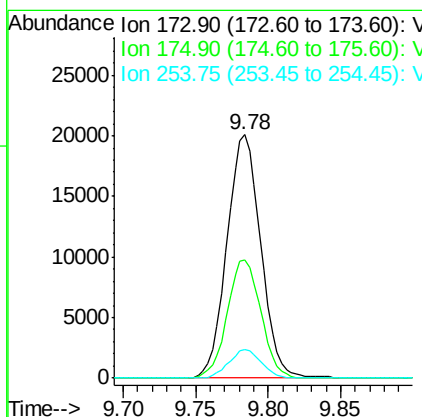
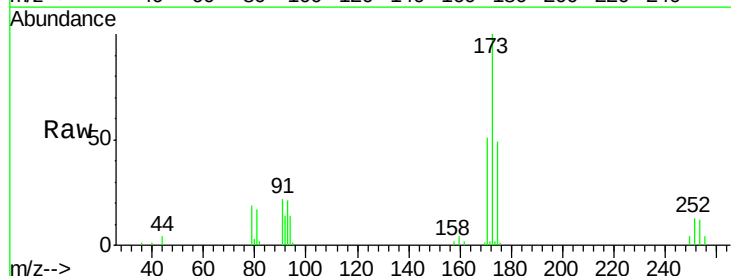
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

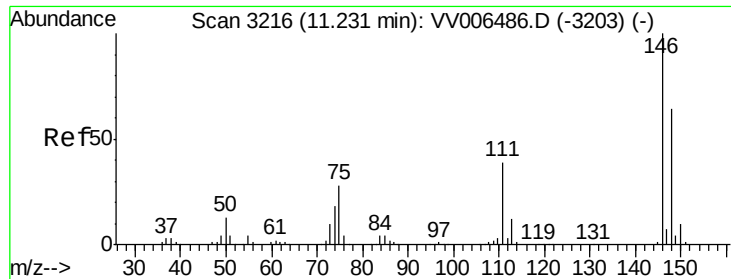
Tgt Ion: 75 Resp: 55268
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.7 38.5



#61
 Bromoform
 Concen: 5.110 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

Tgt Ion: 173 Resp: 32493
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.8 58.2
 254 11.0 9.0 13.6





#62

1,3-Dichlorobenzene

Concen: 5.046 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

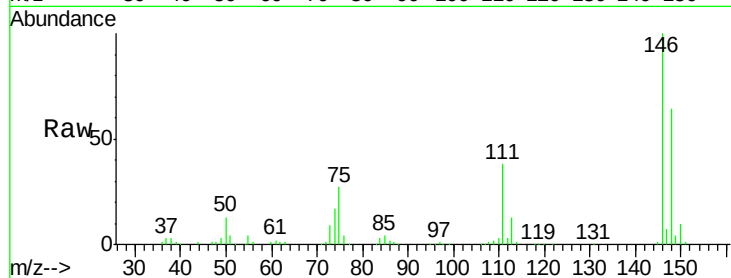
Tgt Ion:146 Resp: 188338

Ion Ratio Lower Upper

146 100

111 37.9 27.4 51.0

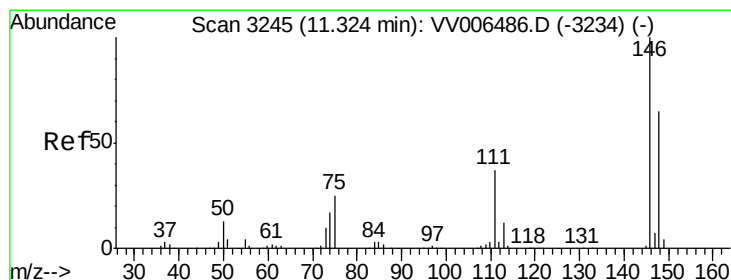
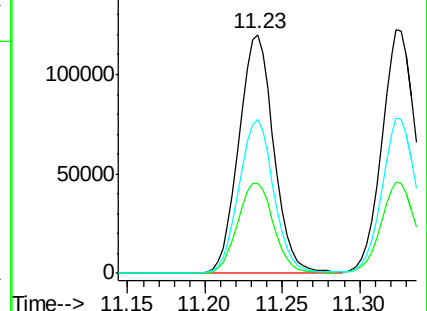
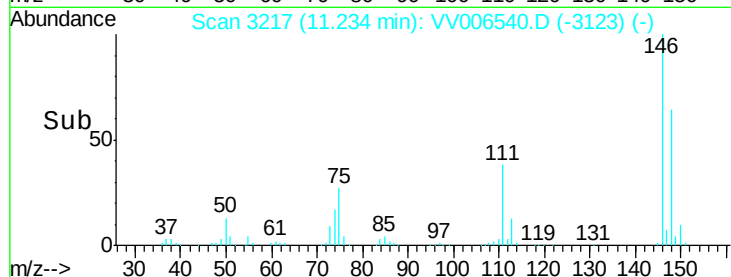
148 64.4 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.153 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

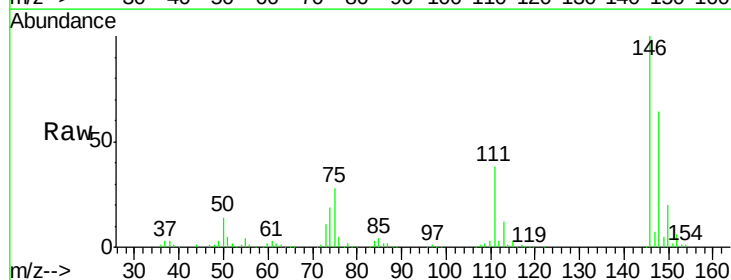
Tgt Ion:146 Resp: 192356

Ion Ratio Lower Upper

146 100

111 37.7 26.3 48.9

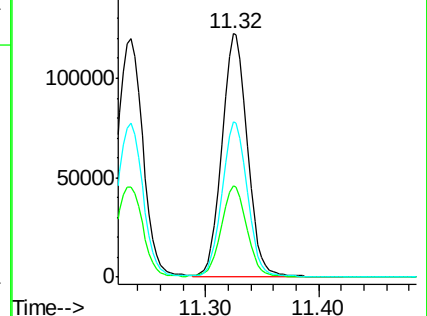
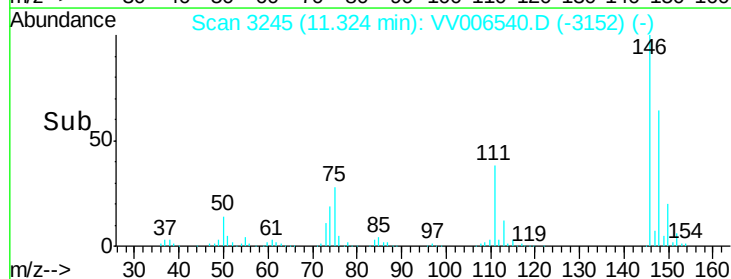
148 63.7 44.0 81.6

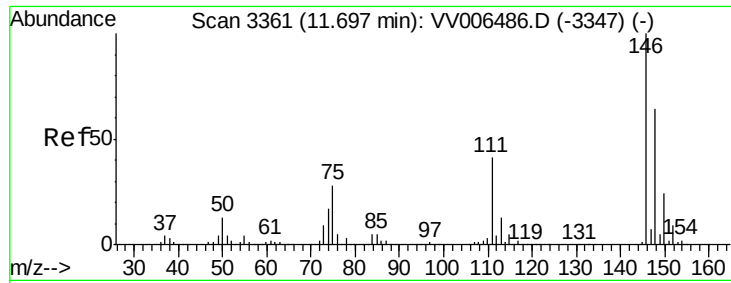


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

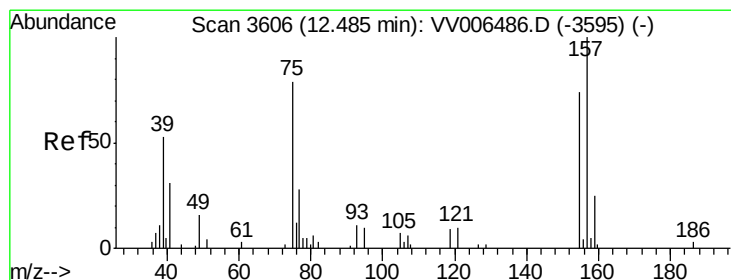
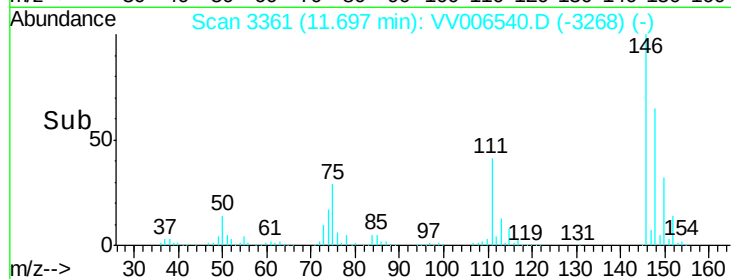
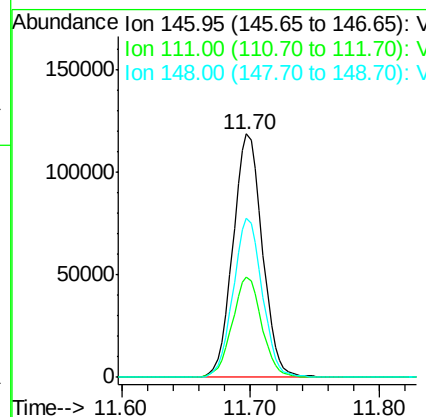
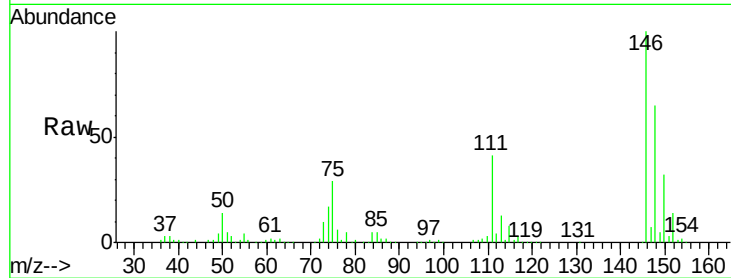




#65
 1,2-Dichlorobenzene
 Concen: 5.368 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

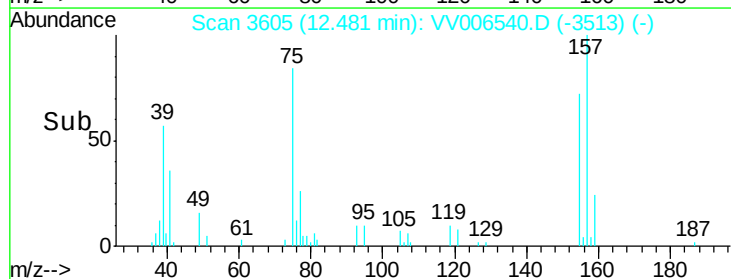
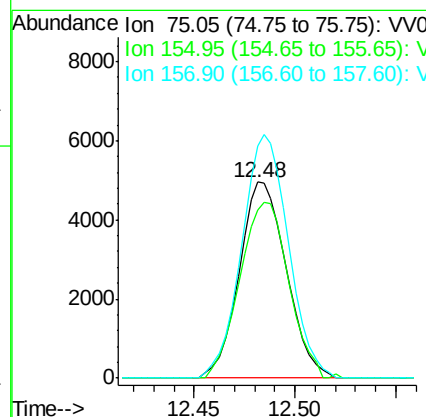
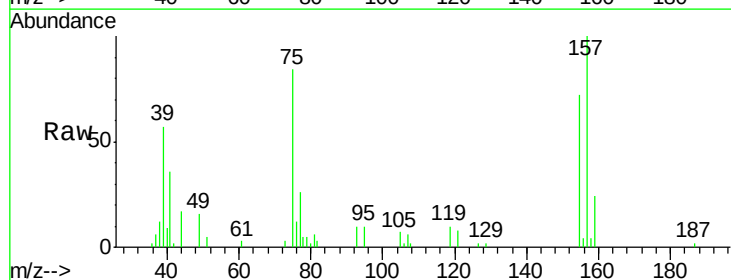
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

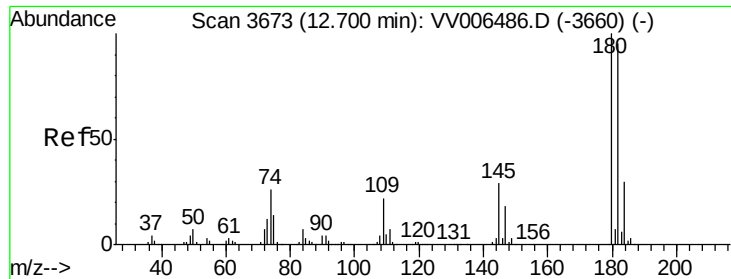
Tgt Ion: 146 Resp: 187515
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.0 48.0
 148 65.2 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.452 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

Tgt Ion: 75 Resp: 8093
 Ion Ratio Lower Upper
 75 100
 155 85.7 73.9 110.9
 157 118.5 92.9 139.3

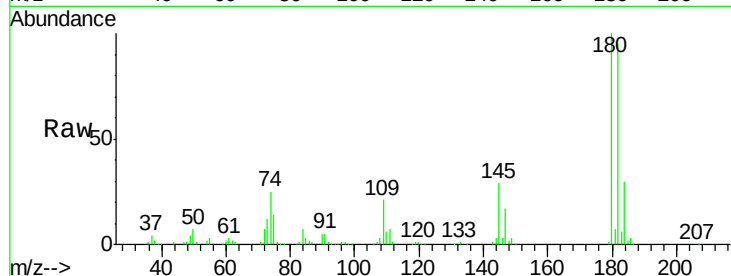




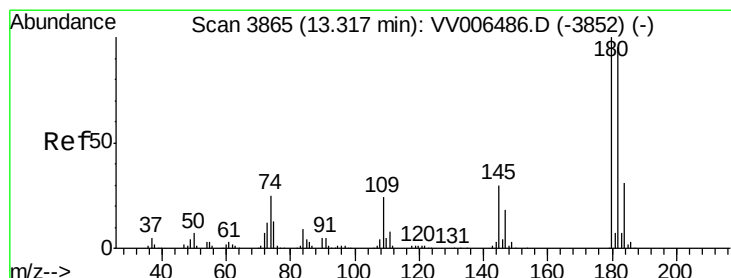
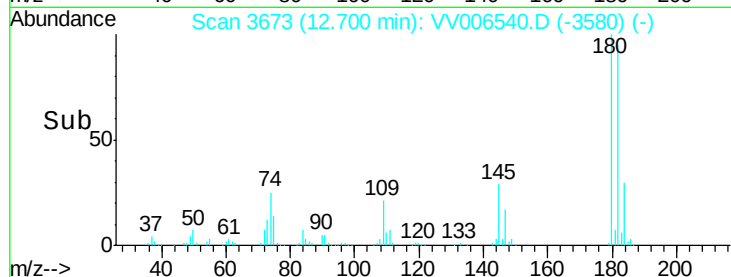
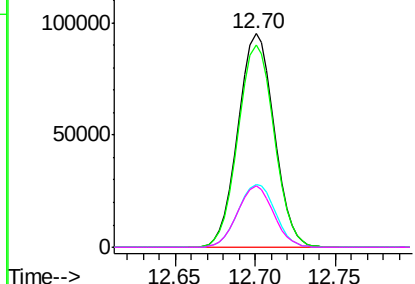
#67
 1,3,5-Trichlorobenzene
 Concen: 5.149 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion:180 Resp: 146010
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.6 115.0
 184 30.4 24.5 36.7
 145 28.7 22.6 34.0

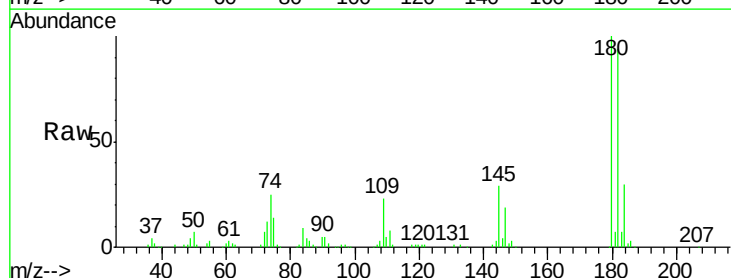


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

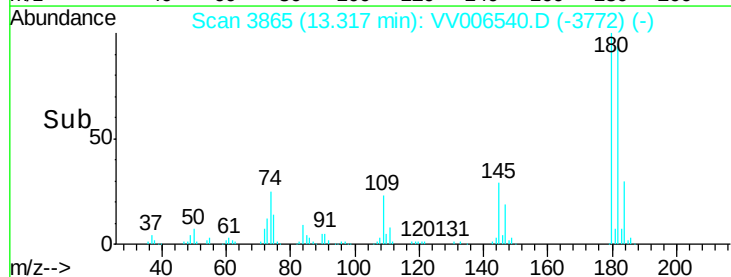
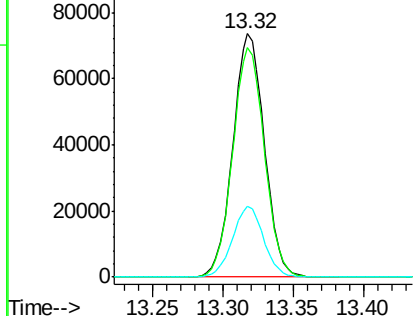


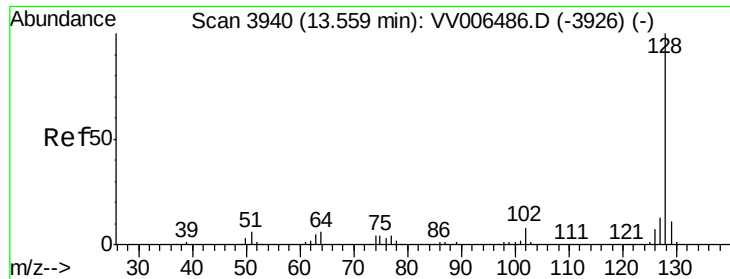
#68
 1,2,4-trichlorobenzene
 Concen: 5.525 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006540.D
 Acq: 02 Jul 2018 19:45

Tgt Ion:180 Resp: 114895
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.7 115.1
 145 28.7 23.0 34.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.980 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

Instrument :

MSVOA_V

ClientSampled :

VSTD00571

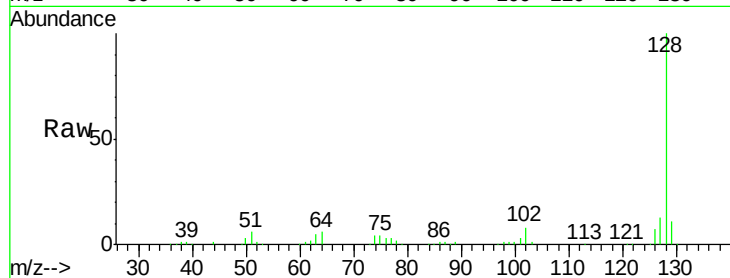
Tgt Ion:128 Resp: 181788

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

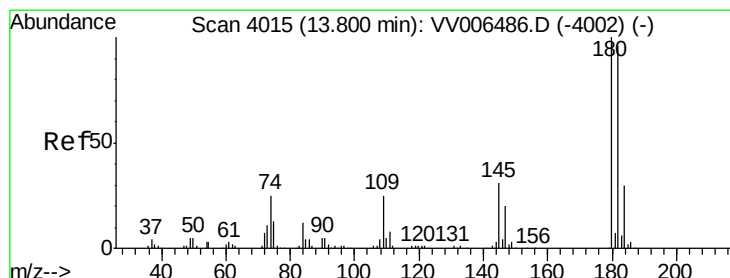
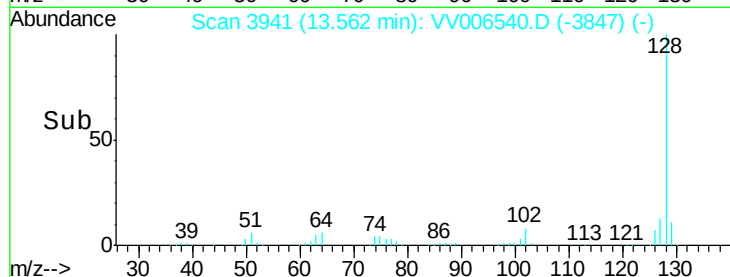
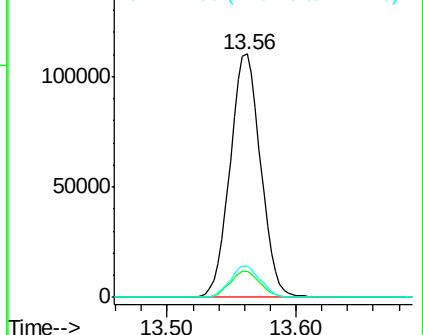
127 12.8 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.743 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006540.D

Acq: 02 Jul 2018 19:45

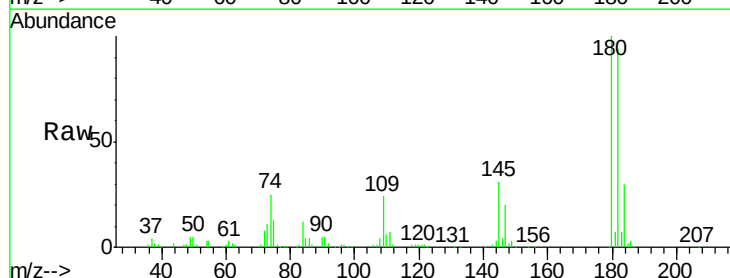
Tgt Ion:180 Resp: 111175

Ion Ratio Lower Upper

180 100

182 94.3 76.0 114.0

145 30.3 24.8 37.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

